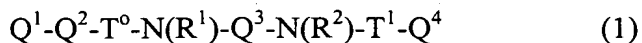


IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Original): A compound represented by the general formula (1):



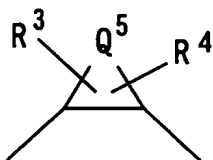
wherein

R^1 and R^2 , independently of each other, represent a hydrogen atom, hydroxyl group, alkyl group or alkoxy group;

Q^1 represents a saturated or unsaturated, 5- or 6- membered cyclic hydrocarbon group which may be substituted, a saturated or unsaturated, 5- to 7- membered heterocyclic group which may be substituted, a saturated or unsaturated, bicyclic or tricyclic fused hydrocarbon group which may be substituted, or a saturated or unsaturated, bicyclic or tricyclic fused heterocyclic group which may be substituted;

Q^2 represents a single bond, a saturated or unsaturated, 5- or 6-membered divalent cyclic hydrocarbon group which may be substituted, a saturated or unsaturated, 5- to 7-membered divalent heterocyclic group which may be substituted, a saturated or unsaturated, divalent bicyclic or tricyclic fused hydrocarbon group which may be substituted, or a saturated or unsaturated, divalent bicyclic or tricyclic fused heterocyclic group which may be substituted;

Q^3 represents the following group:



in which Q^5 means an alkylene group having 1 to 8 carbon atoms, an alkenylene group having 2 to 8 carbon atoms, or a group $-(CH_2)_m-CH_2-A-CH_2-(CH_2)_n-$, in which m and n are independently of each other 0 or an integer of 1-3, and A means an oxygen atom, nitrogen

atom, sulfur atom, -SO-, -SO₂-, -NH-, -O-NH-, -NH-NH-, -S-NH-, -SO-NH- or -SO₂-NH-, and R³ and R⁴ are substituents on carbon atom(s), nitrogen atom(s) or a sulfur atom(s) of a ring comprising Q⁵ and are independently of each other a hydrogen atom, hydroxyl group, alkyl group, alkenyl group, alkynyl group, halogen atom, halogenoalkyl group, cyano group, cyanoalkyl group, amino group, aminoalkyl group, N-alkylaminoalkyl group, N,N-dialkylaminoalkyl group, acyl group, acylalkyl group, acylamino group which may be substituted, alkoxyimino group, hydroxyimino group, acylaminoalkyl group, alkoxy group, alkoxyalkyl group, hydroxyalkyl group, carboxyl group, carboxyalkyl group, alkoxycarbonyl group, alkoxycarbonylalkyl group, alkoxycarbonylalkylamino group, carboxyalkylamino group, alkoxycarbonylamino group, alkoxycarbonylaminoalkyl group, carbamoyl group, N-alkylcarbamoyl group which may have a substituent on the alkyl group, N,N-dialkylcarbamoyl group which may have a substituent on the alkyl group(s), N-alkenylcarbamoyl group, N-alkenylcarbamoylalkyl group, N-alkenyl-N-alkylcarbamoyl group, N-alkenyl-N-alkylcarbamoylalkyl group, N-alkoxycarbamoyl group, N-alkyl-N-alkoxycarbamoyl group, N-alkoxycarbamoylalkyl group, N-alkyl-N-alkoxycarbamoylalkyl group, carbazoyl group which may be substituted by 1 to 3 alkyl groups, alkylsulfonyl group, alkylsulfonylalkyl group, 3- to 6-membered heterocyclic carbonyl group which may be substituted, carbamoylalkyl group, N-alkylcarbamoylalkyl group which may have a substituent on the alkyl group(s), N,N-dialkylcarbamoylalkyl group which may have a substituent on the alkyl group(s), carbamoyloxyalkyl group, N-alkylcarbamoyloxyalkyl group, N,N-dialkylcarbamoyloxyalkyl group, 3- to 6-membered heterocyclic carbonylalkyl group which may be substituted, 3- to 6-membered heterocyclic carbonyloxyalkyl group which may be substituted, aryl group, aralkyl group, heteroaryl group, heteroarylalkyl group, alkylsulfonylamino group, arylsulfonylamino group, alkylsulfonylaminoalkyl group, arylsulfonylaminoalkyl group, alkylsulfonylaminocarbonyl group, arylsulfonylaminocarbonyl

group, alkylsulfonyl- aminocarbonylalkyl group, arylsulfonylaminocarbonylalkyl group, oxo group, carbamoyloxy group, aralkyloxy group, carboxyalkyloxy group, acyloxy group, acyloxyalkyl group, arylsulfonyl group, alkoxy carbonylalkylsulfonyl group, carboxyalkylsulfonyl group, alkoxy carbonylacyl group, alkoxyalkyloxycarbonyl group, hydroxyacyl group, alkoxyacyl group, halogenoacyl group, carboxyacyl group, aminoacyl group, acyloxyacyl group, acyloxyalkylsulfonyl group, hydroxyalkylsulfonyl group, alkoxyalkylsulfonyl group, 3- to 6-membered heterocyclic sulfonyl group which may be substituted, N-alkylaminoacyl group, N,N-dialkylaminoacyl group, N,N-dialkylcarbamoylacyl group which may have a substituent on the alkyl group(s), N,N-dialkylcarbamoylalkylsulfonyl group which may have a substituent on the alkyl group(s), alkylsulfonylacyl group, aminocarbothioyl group, N-alkylaminocarbothioyl group, N,N-dialkylaminocarbothioyl group or alkoxyalkyl(thiocarbonyl) group, or R³ and R⁴, together with each other, denote an alkylene group having 1 to 5 carbon atoms, alkenylene group having 2 to 5 carbon atoms, alkylenedioxy group having 1 to 5 carbon atoms or carbonyldioxy group;

Q⁴ represents an aryl group which may be substituted, an arylalkenyl group which may be substituted, an arylalkynyl group which may be substituted, a heteroaryl group which may be substituted, a heteroarylalkenyl group which may be substituted, a saturated or unsaturated, bicyclic or tricyclic fused hydrocarbon group which may be substituted, or a saturated or unsaturated, bicyclic or tricyclic fused heterocyclic group which may be substituted;

T⁰ represents a carbonyl or thiocarbonyl group; and

T¹ represents a carbonyl group, sulfonyl group, group -C(=O)-C(=O)-N(R')-, group -C(=S)-C(=O)-N(R')-, group -C(=O)-C(=S)-N(R')-, group -C(=S)-C(=S)-N(R')-, in which R' means a hydrogen atom, hydroxyl group, alkyl group or alkoxy group, group -C(=O)-A¹-

N(R^{''})-, in which A¹ means an alkylene group having 1 to 5 carbon atoms, which may be substituted, and R^{''} means a hydrogen atom, hydroxyl group, alkyl group or alkoxy group, group

-C(=O)-NH-, group -C(=S)-NH-, group -C(=O)-NH-NH-, group -C(=O)-A²-C(=O)-, in which A² means a single bond or alkylene group having 1 to 5 carbon atoms, group -C(=O)-A³-C(=O)-NH-, in which A³ means an alkylene group having 1 to 5 carbon atoms, group -C(=O)-C(=NOR^a)-N(R^b)-, group -C(=S)-C(=NOR^a)-N(R^b)-, in which R^a means a hydrogen atom, alkyl group or alkanoyl group, and R^b means a hydrogen atom, hydroxyl group, alkyl group or alkoxy group, group -C(=O)-N=N-, group -C(=S)-N=N-, group -C(=NOR^c)-C(=O)-N(R^d)-, in which R^c means a hydrogen atom, alkyl group, alkanoyl group, aryl group or aralkyl group, and R^d means a hydrogen atom, hydroxyl group, alkyl group or alkoxy group, group -C(=N-N(R^e)(R^f))-C(=O)-N(R^g)-, in which R^e and R^f, independently of each other, mean a hydrogen atom, alkyl group, alkanoyl group or alkyl(thiocarbonyl) group, and R^g means a hydrogen atom, hydroxyl group, alkyl group or alkoxy group, or thiocarbonyl group;

a salt thereof, a solvate thereof, or an N-oxide thereof.

Claim 2 (Original): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 1, wherein the group Q⁴ in the formula (1) is a group selected from the group consisting of a phenyl group which may be substituted, a naphthyl group which may be substituted, an anthryl group which may be substituted, a phenanthryl group which may be substituted, a styryl group which may be substituted, a phenylethynyl group which may be substituted, a pyridyl group which may be substituted, a pyridazinyl group which may be substituted, a pyradinyl group which may be substituted, a furyl group which may be substituted, a thienyl group which may be substituted, a pyrrolyl group which

may be substituted, a thiazolyl group which may be substituted, an oxazolyl group which may be substituted, a pyrimidinyl group which may be substituted, a tetrazolyl group which may be substituted, a thienylethenyl group which may be substituted, a pyridylethenyl group which may be substituted, an indenyl group which may be substituted, an indanyl group which may be substituted, a tetrahydronaphthyl group which may be substituted, a benzofuryl group which may be substituted, an isobenzofuryl group which may be substituted, a benzothienyl group which may be substituted, an indolyl group which may be substituted, an indolinyl group which may be substituted, an isoindolyl group which may be substituted, an isoindolinyl group which may be substituted, an indazolyl group which may be substituted, a quinolyl group which may be substituted, a dihydroquinolyl group which may be substituted, a 4-oxodihydroquinolyl group (dihydroquinolin-4-on) which may be substituted, a tetrahydroquinolyl group which may be substituted, an isoquinolyl group which may be substituted, a tetrahydroisoquinolyl group which may be substituted, a chromenyl group which may be substituted, a chromanyl group which may be substituted, an isochromanyl group which may be substituted, a 4H-4-oxobenzopyranyl group which may be substituted, a 3,4-dihydro-4H-4-oxobenzopyranyl group which may be substituted, a 4H-quinoliziny group which may be substituted, a quinazolinyl group which may be substituted, a dihydroquinazolinyl group which may be substituted, a tetrahydroquinazolinyl group which may be substituted, a quinoxaliny group which may be substituted, a tetrahydroquinoxaliny group which may be substituted, a cinnolinyl group which may be substituted, a tetrahydrocinnolinyl group which may be substituted, an indoliziny group which may be substituted, a tetrahydroindoliziny group which may be substituted, a benzothiazolyl group which may be substituted, a tetrahydrobenzothiazolyl group which may be substituted, a benzoxazolyl group which may be substituted, a benzoisothiazolyl group which may be substituted, a benzoisoxazolyl group which may be substituted, a benzimidazolyl group

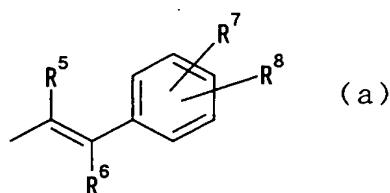
which may be substituted, a naphthyridinyl group which may be substituted, a tetrahydronaphthyridinyl group which may be substituted, a thienopyridyl group which may be substituted, a tetrahydrothienopyridyl group which may be substituted, a thiazolopyridyl group which may be substituted, a tetrahydrothiazolopyridyl group which may be substituted, a thiazolopyridazinyl group which may be substituted, a tetrahydrothiazolopyridazinyl group which may be substituted, a pyrrolopyridyl group which may be substituted, a dihydropyrrolopyridyl group which may be substituted, a tetrahydropyrrolopyridyl group which may be substituted, a pyrrolopyrimidinyl group which may be substituted, a dihydropyrrolopyrimidinyl group which may be substituted, a pyridoquinazolinyl group which may be substituted, a dihydropyridoquinazolinyl group which may be substituted, a pyridopyrimidinyl group which may be substituted, a tetrahydropyridopyrimidinyl group which may be substituted, a pyranothiazolyl group which may be substituted, a dihydropyranothiazolyl group which may be substituted, a furopyridyl group which may be substituted, a tetrahydrofuropyridyl group which may be substituted, an oxazolopyridyl group which may be substituted, a tetrahydrooxazolopyridyl group which may be substituted, an oxazolopyridazinyl group which may be substituted, a tetrahydrooxazolopyridazinyl group which may be substituted, a pyrrolothiazolyl group which may be substituted, a dihydropyrrolothiazolyl group which may be substituted, a pyrrolooxazolyl group which may be substituted, a dihydropyrrolooxazolyl group which may be substituted, a thienopyrrolyl group which may be substituted, a thiazolopyrimidinyl group which may be substituted, a 4-oxo-tetrahydrocinnolinyl group which may be substituted, a 1,2,4-benzothiadiazinyl group which may be substituted, a 1,1-dioxy-2H-1,2,4-benzothiadiazinyl group which may be substituted, a 1,2,4-benzoxadiazinyl group which may be substituted, a cyclopentapyranyl group which may be substituted, a thienofuranyl group which may be substituted, a fuopyranyl group which may be substituted, a pyridoxazinyl group which may be

substituted, a pyrazoloxazolyl group which may be substituted, an imidazothiazolyl group which may be substituted, an imidazopyridyl group which may be substituted, a tetrahydroimidazopyridyl group which may be substituted, a pyrazinopyridazinyl group which may be substituted, a benzoisoquinolyl group which may be substituted, a furocinnolyl group which may be substituted, a pyrazolothiazolopyridazinyl group which may be substituted, a tetrahydropyrazolothiazolopyridazinyl group which may be substituted, a hexahydrothiazolopyridazinopyridazinyl group which may be substituted, an imidazotriazinyl group which may be substituted, an oxazolopyridyl group which may be substituted, a benzoxepinyl group which may be substituted, a benzoazepinyl group which may be substituted, a tetrahydrobenzoazepinyl group which may be substituted, a benzodiazepinyl group which may be substituted, a benzotriazepinyl group which may be substituted, a thienozepinyl group which may be substituted, a tetrahydrothienozepinyl group which may be substituted, a thienodiazepinyl group which may be substituted, a thienotriazepinyl group which may be substituted, a thiazoloazepinyl group which may be substituted, a tetrahydrothiazoloazepinyl group which may be substituted, a 4,5,6,7-tetrahydro-5,6-tetramethylenethiazolopyridazinyl group which may be substituted, and a 5,6-trimethylene-4,5,6,7-tetrahydrothiazolopyridazinyl group which may be substituted.

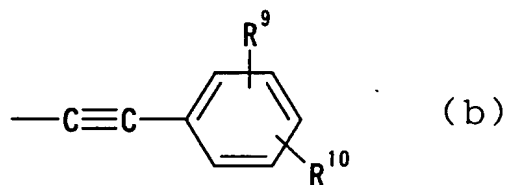
Claim 3 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 1 or 2, wherein the substituent(s) on the group Q⁴ are 1 to 3 substituents selected from a hydroxyl group, halogen atoms, halogenoalkyl groups, an amino group, a cyano group, aminoalkyl groups, a nitro group, hydroxyalkyl groups, alkoxyalkyl groups, a carboxyl group, carboxyalkyl groups, alkoxycarbonylalkyl groups, acyl groups, an amidino group, a hydroxyamidino group, linear, branched or cyclic alkyl groups having 1 to 6 carbon atoms, linear, branched or cyclic alkoxy groups having 1 to 6 carbon

atoms, amidino groups substituted by a linear, branched or cyclic alkoxycarbonyl group having 2 to 7 carbon atoms, linear, branched or cyclic alkenyl groups having 2 to 6 carbon atoms, linear or branched alkynyl groups having 2 to 6 carbon atoms, linear, branched or cyclic alkoxycarbonyl groups having 2 to 6 carbon atoms, a carbamoyl group, mono- or di-alkylcarbamoyl groups substituted by a linear, branched or cyclic alkyl groups having 1 to 6 carbon atoms on the nitrogen atom, mono- or di-alkylamino groups substituted by a linear, branched or cyclic alkyl groups having 1 to 6 carbon atoms, and 5- or 6-membered nitrogen-containing heterocyclic groups.

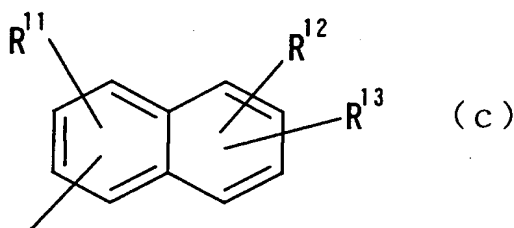
Claim 4 (Original): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 1, wherein the group Q⁴ represents any of the following groups:



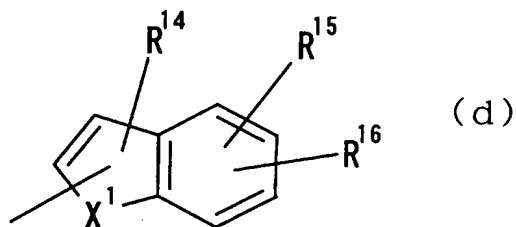
wherein R⁵ and R⁶, independently of each other, represent a hydrogen atom, cyano group, halogen atom, alkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, alkoxycarbonyl group, alkoxycarbonylalkyl group, or phenyl group which may be substituted by a cyano group, hydroxyl group, halogen atom, alkyl group or alkoxy group, and R⁷ and R⁸, independently of each other, represent a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group;



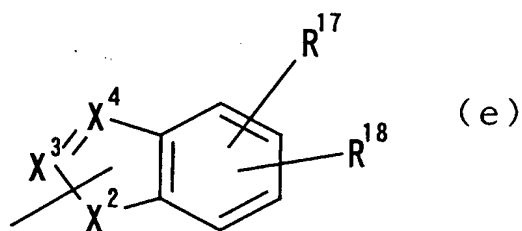
wherein R^9 and R^{10} , independently of each other, represent a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group;



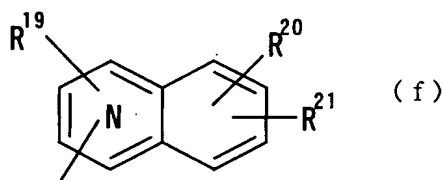
wherein R^{11} , R^{12} and R^{13} , independently of one another, represent a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group;



wherein X^1 represents CH_2 , CH , NH , NOH , N , O or S , and R^{14} , R^{15} and R^{16} , independently of one another, represent a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group;

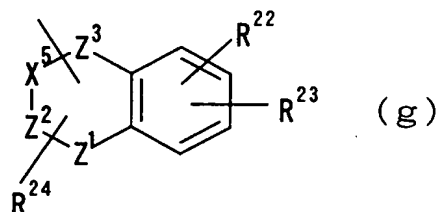


wherein X^2 represents NH , N , O or S , X^3 represents N , C or CH , X^4 represents N , C or CH , and R^{17} and R^{18} , independently of each other, represent a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group, excluding the cases where X^3 and X^4 are combinations of C and CH , and are both C or CH ;

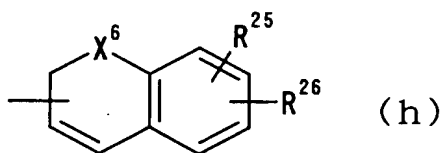


wherein N indicates that 1 or 2 carbon atoms of the ring substituted by R^{19} have been substituted by a nitrogen atom, and R^{19} , R^{20} and R^{21} , independently of one another, represent a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom,

alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group;

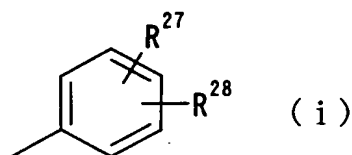


wherein X^5 represents CH_2 , CH , N or NH , Z^1 represents N , NH or O , Z^2 represents CH_2 , CH , C or N , Z^3 represents CH_2 , CH , S , SO_2 or $C=O$, X^5-Z^2 indicates that X^5 and Z^2 are bonded to each other by a single bond or double bond, R^{22} and R^{23} , independently of each other, represent a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group, and R^{24} represents a hydrogen atom or alkyl group;

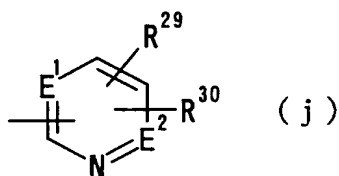


wherein X^6 represents O or S , and R^{25} and R^{26} , independently of each other, represent a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group,

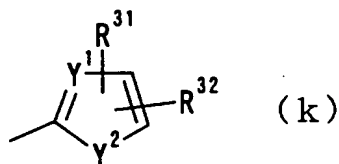
N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group;



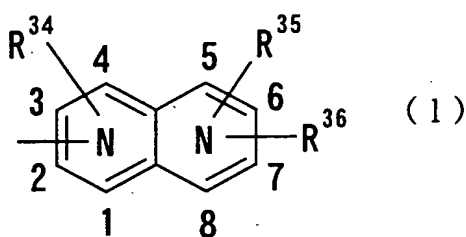
wherein R^{27} and R^{28} , independently of each other, represent a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group;



wherein E^1 and E^2 , independently of each other, represent N or CH, and R^{29} and R^{30} , independently of each other, represent a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group;

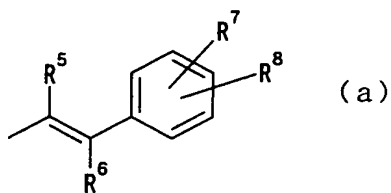


wherein Y^1 represents CH or N, Y^2 represents $-N(R^{33})-$, in which R^{33} means a hydrogen atom or alkyl group having 1 to 6 carbon atoms, O or S, and R^{31} and R^{32} , independently of each other, represent a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group; and

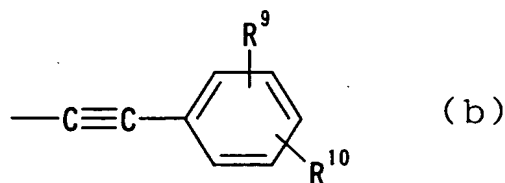


wherein numerals 1 to 8 indicate positions, each N indicates that any one of carbon atoms of positions 1 to 4 and any one of carbon atoms of positions 5 to 8 has been substituted by a nitrogen atom, and R^{34} , R^{35} and R^{36} , independently of one another, represent a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group.

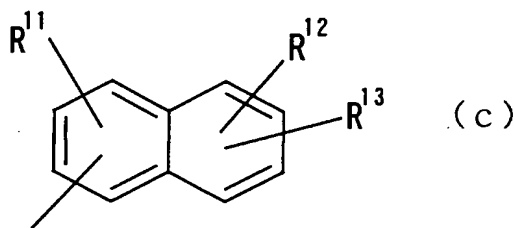
Claim 5 (Original): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 1, wherein the group Q^4 represents any of the following groups:



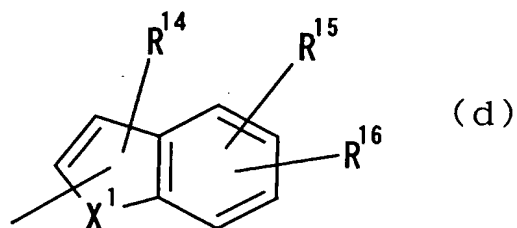
wherein R^5 and R^6 , independently of each other, represent a hydrogen atom or alkyl group, R^7 represents a hydrogen atom, and R^8 represents a hydrogen atom, halogen atom, alkyl group or alkynyl group;



wherein R^9 represents a hydrogen atom, and R^{10} represents a hydrogen atom, halogen atom, alkyl group or alkynyl group;

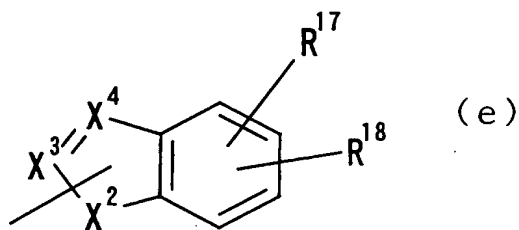


wherein R^{11} and R^{12} both represent hydrogen atoms, and R^{13} represents a hydrogen atom, halogen atom, alkyl group or alkynyl group;

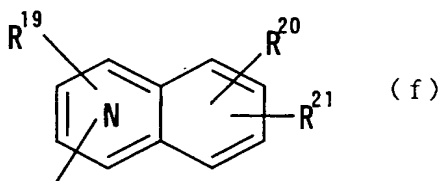


wherein X^1 represents NH, NOH, N, O or S, R^{14} represents a hydrogen atom, halogen atom, acyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group or alkyl group, R^{15}

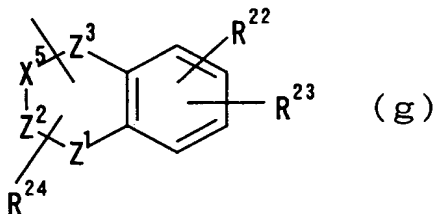
represents a hydrogen atom or halogen atom, and R^{16} represents a hydrogen atom, halogen atom, alkyl group or alkynyl group;



wherein X^2 represents NH, O or S, X^3 represents N, C or CH, X^4 represents N, C or CH, R^{17} represents a hydrogen atom, and R^{18} represents a hydrogen atom, halogen atom, alkyl group or alkynyl group, excluding the cases where X^3 and X^4 are combinations of C and CH, and are both C or CH;

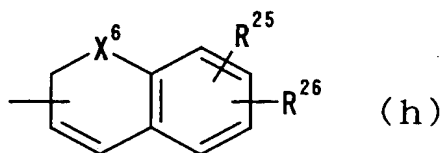


wherein N indicates that 1 or 2 carbon atoms of the ring substituted by R^{19} have been substituted by a nitrogen atom, R^{19} and R^{20} both represent hydrogen atoms, and R^{21} represents a hydrogen atom, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group or halogenoalkyl group;

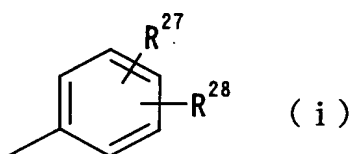


wherein X^5 represents CH_2 , CH, N or NH, Z^1 represents N, NH or O, Z^2 represents CH_2 , CH, C or N, Z^3 represents CH_2 , CH, S, SO_2 or $C=O$, X^5-Z^2 indicates that X^5 and Z^2 are bonded to each other by a single bond or double bond, R^{22} represents a hydrogen atom, R^{23} represents a

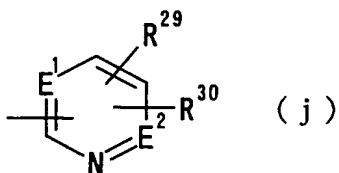
hydrogen atom, halogen atom, alkyl group or alkynyl group, and R^{24} represents a hydrogen atom;



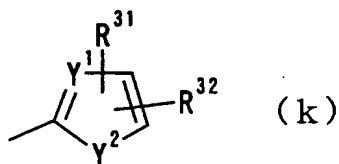
wherein X^6 represents O, R^{25} represents a hydrogen atom, and R^{26} represents a hydrogen atom, halogen atom, alkyl group or alkynyl group;



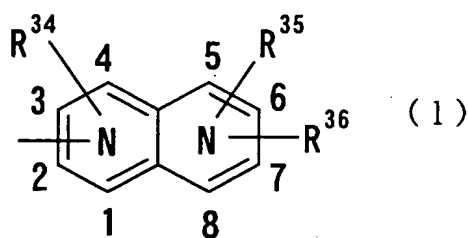
wherein R^{27} represents a hydrogen atom or halogen atom, and R^{28} represents a hydrogen atom, halogen atom, alkyl group or alkynyl group;



wherein E^1 and E^2 , independently of each other, represent N or CH, R^{29} represents a hydrogen atom or halogen atom, and R^{30} represents a hydrogen atom, halogen atom, alkyl group or alkynyl group;



wherein Y^1 represents CH or N, Y^2 represents $-N(R^{33})-$, in which R^{33} means a hydrogen atom or alkyl group having 1 to 6 carbon atoms, O or S, R^{31} represents a hydrogen atom or halogen atom, and R^{32} represents a hydrogen atom, halogen atom, alkyl group or alkynyl group; and



wherein numerals 1 to 8 indicate positions, each N indicates that any one of carbon atoms of positions 1 to 4 and any one of carbon atoms of positions 5 to 8 has been substituted by a nitrogen atom, R^{34} represents a hydrogen atom or halogen atom, R^{35} represents a hydrogen atom or halogen atom, and R^{36} represents a hydrogen atom, halogen atom, alkyl group or alkynyl group.

Claim 6 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 1 ~~any one of claims 1 to 3~~, wherein the group Q^4 in the formula (1) is a 4-chlorostyryl, 4-fluorostyryl, 4-bromostyryl, 4-ethynylstyryl, 4-chlorophenylethynyl, 4-fluorophenyl-ethynyl, 4-bromophenylethynyl, 4-ethynylphenylethynyl, 6-chloro-2-naphthyl, 6-fluoro-2-naphthyl, 6-bromo-2-naphthyl, 6-ethynyl-2-naphthyl, 7-chloro-2-naphthyl, 7-fluoro-2-naphthyl, 7-bromo-2-naphthyl, 7-ethynyl-2-naphthyl, 5-chloroindol-2-yl, 5-fluoroindol-2-yl, 5-bromoindol-2-yl, 5-ethynylindol-2-yl, 5-methylindol-2-yl, 5-chloro-4-fluoroindol-2-yl, 5-chloro-3-fluoroindol-2-yl, 3-bromo-5-chloroindol-2-yl, 3-chloro-5-fluoroindol-2-yl, 3-bromo-5-fluoroindol-2-yl, 5-bromo-3-chloroindol-2-yl, 5-bromo-3-fluoroindol-2-yl, 5-chloro-3-formylindol-2-yl, 5-fluoro-3-formylindol-2-yl, 5-bromo-3-formylindol-2-yl, 5-ethynyl-3-formylindol-2-yl, 5-chloro-3-(N,N-dimethylcarbamoyl)indol-2-yl, 5-fluoro-3-(N,N-dimethylcarbamoyl)indol-2-

yl, 5-bromo-3-(N,N-dimethylcarbamoyl)indol-2-yl, 5-ethynyl-3-(N,N-dimethylcarbamoyl)indol-2-yl, 6-chloroindol-2-yl, 6-fluoroindol-2-yl, 6-bromoindol-2-yl, 6-ethynylindol-2-yl, 6-methylindol-2-yl, 5-chlorobenzothiophen-2-yl, 5-fluorobenzothiophen-2-yl, 5-bromobenzothiophen-2-yl, 5-ethynylbenzothiophen-2-yl, 5-methylbenzothiophen-2-yl, 5-chloro-4-fluorobenzothiophen-2-yl, 6-chloro-benzothiophen-2-yl, 6-fluorobenzothiophen-2-yl, 6-bromobenzothiophen-2-yl, 6-ethynylbenzothiophen-2-yl, 6-methylbenzothiophen-2-yl, 5-chlorobenzofuran-2-yl, 5-fluorobenzofuran-2-yl, 5-bromobenzofuran-2-yl, 5-ethynylbenzofuran-2-yl, 5-methylbenzofuran-2-yl, 5-chloro-4-fluorobenzofuran-2-yl, 6-chlorobenzofuran-2-yl, 6-fluorobenzofuran-2-yl, 6-bromobenzofuran-2-yl, 6-ethynylbenzofuran-2-yl, 6-methylbenzofuran-2-yl, 5-chlorobenzimidazol-2-yl, 5-fluorobenzimidazol-2-yl, 5-bromobenzimidazol-2-yl, 5-ethynylbenzimidazol-2-yl, 6-chloroquinolin-2-yl, 6-fluoroquinolin-2-yl, 6-bromoquinolin-2-yl, 6-ethynylquinolin-2-yl, 7-chloroquinolin-3-yl, 7-fluoroquinolin-3-yl, 7-bromoquinolin-3-yl, 7-ethynylquinolin-3-yl, 7-chloroisoquinolin-3-yl, 7-fluoroisoquinolin-3-yl, 7-bromoisoquinolin-3-yl, 7-ethynylisoquinolin-3-yl, 7-chlorocinnolin-3-yl, 7-fluorocinnolin-3-yl, 7-bromocinnolin-3-yl, 7-ethynylcinnolin-3-yl, 7-chloro-2H-chromen-3-yl, 7-fluoro-2H-chromen-3-yl, 7-bromo-2H-chromen-3-yl, 7-ethynyl-2H-chromen-3-yl, 6-chloro-4-oxo-1,4-dihydroquinolin-2-yl, 6-fluoro-4-oxo-1,4-dihydroquinolin-2-yl, 6-bromo-4-oxo-1,4-dihydroquinolin-2-yl, 6-ethynyl-4-oxo-1,4-dihydroquinolin-2-yl, 6-chloro-4-oxo-1,4-dihydroquinazolin-2-yl, 6-fluoro-4-oxo-1,4-dihydroquinazolin-2-yl, 6-bromo-4-oxo-1,4-dihydroquinazolin-2-yl, 6-ethynyl-4-oxo-1,4-dihydroquinazolin-2-yl, phenyl, 4-chlorophenyl, 4-fluorophenyl, 4-bromophenyl, 4-ethynylphenyl, 3-chlorophenyl, 3-fluorophenyl, 3-bromo-phenyl, 3-ethynylphenyl, 3-chloro-4-fluorophenyl, 4-chloro-3-fluorophenyl, 4-chloro-2-fluorophenyl, 2-chloro-4-fluorophenyl, 4-bromo-2-fluorophenyl, 2-bromo-4-fluorophenyl, 2,4-dichlorophenyl, 2,4-difluorophenyl, 2,4-dibromophenyl, 4-chloro-

3-methylphenyl, 4-fluoro-3-methylphenyl, 4-bromo-3-methylphenyl, 4-chloro-2-methylphenyl, 4-fluoro-2-methylphenyl, 4-bromo-2-methylphenyl, 3,4-dichlorophenyl, 3,4-difluorophenyl, 3,4-dibromophenyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, 4-chloro-2-pyridyl, 4-fluoro-2-pyridyl, 4-bromo-2-pyridyl, 4-ethynyl-2-pyridyl, 4-chloro-3-pyridyl, 4-fluoro-3-pyridyl, 4-bromo-3-pyridyl, 4-ethynyl-3-pyridyl, 5-chloro-2-pyridyl, 5-fluoro-2-pyridyl, 5-bromo-2-pyridyl, 5-ethynyl-2-pyridyl, 4-chloro-5-fluoro-2-pyridyl, 5-chloro-4-fluoro-2-pyridyl, 5-chloro-3-pyridyl, 5-fluoro-3-pyridyl, 5-bromo-3-pyridyl, 5-ethynyl-3-pyridyl, 6-chloro-3-pyridazinyl, 6-fluoro-3-pyridazinyl, 6-bromo-3-pyridazinyl, 6-ethynyl-3-pyridazinyl, 5-chloro-2-thiazolyl, 5-fluoro-2-thiazolyl, 5-bromo-2-thiazolyl, 5-ethynyl-2-thiazolyl, 2-chlorothieno[2,3-b]pyrrol-5-yl, 2-fluorothieno[2,3-b]pyrrol-5-yl, 2-bromothieno[2,3-b]pyrrol-5-yl or 2-ethynylthieno[2,3-b]pyrrol-5-yl group.

Claim 7 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 1 ~~any one of claims 1 to 6~~, wherein the group Q¹ in the formula (1) is a saturated or unsaturated, bicyclic or tricyclic fused hydrocarbon group which may be substituted, or a saturated or unsaturated, bicyclic or tricyclic fused heterocyclic group which may be substituted.

Claim 8 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 1 ~~any one of claims 1 to 6~~, wherein the group Q¹ in the formula (1) is a thienopyridyl group which may be substituted, tetrahydrothienopyridyl group which may be substituted, thiazolopyridyl group which may be substituted, tetrahydrothiazolopyridyl group which may be substituted, thiazolopyridazinyl group which may be substituted, tetrahydrothiazolopyridazinyl group which may be substituted, pyranothiazolyl group which may be substituted, dihydropyranothiazolyl group which may

be substituted, furopyridyl group which may be substituted, tetrahydrofuropyridyl group which may be substituted, oxazolopyridyl group which may be substituted, tetrahydrooxazolopyridyl group which may be substituted, pyrrolopyridyl group which may be substituted, dihydropyrrolopyridyl group which may be substituted, tetrahydropyrrolopyridyl group which may be substituted, pyrrolopyrimidinyl group which may be substituted, dihydropyrrolopyrimidinyl group which may be substituted, oxazolopyridazinyl group which may be substituted, tetrahydrooxazolopyridazinyl group which may be substituted, pyrrolothiazolyl group which may be substituted, dihydropyrrolothiazolyl group which may be substituted, pyrrolooxazolyl group which may be substituted, dihydropyrrolooxazolyl group which may be substituted, benzothiazolyl group which may be substituted, tetrahydrobenzothiazolyl group which may be substituted, thiazolopyrimidinyl group which may be substituted, dihydrothiazolopyrimidinyl group which may be substituted, benzoazepinyl group which may be substituted, tetrahydrobenzoazepinyl group which may be substituted, thiazoloazepinyl group which may be substituted, tetrahydrothiazoloazepinyl group which may be substituted, thienoazepinyl group which may be substituted, tetrahydrothienoazepinyl group which may be substituted, 4,5,6,7-tetrahydro-5,6-tetramethylenethiazolopyridazinyl group which may be substituted, or 5,6-trimethylene-4,5,6,7-tetrahydrothiazolopyridazinyl group which may be substituted.

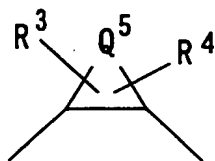
Claim 9 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 1 ~~any one of claims 1 to 8~~, wherein the substituent(s) on the group Q¹ are 1 to 3 substituents selected from a hydroxyl group, halogen atoms, halogenoalkyl groups, an amino group, a cyano group, an amidino group, a hydroxyamidino group, C₁-C₆ alkyl groups, C₃-C₆ cycloalkyl-C₁-C₆ alkyl groups, hydroxy-C₁-C₆ alkyl groups, C₁-C₆ alkoxy groups, C₁-C₆ alkoxy C₁-C₆ alkyl group, a carboxyl group,

C₂-C₆ carboxyalkyl groups, C₂-C₆ alkoxy carbonyl-C₁-C₆ alkyl groups, amidino groups substituted by a C₂-C₆ alkoxy carbonyl group, C₂-C₆ alkenyl groups, C₂-C₆ alkynyl groups, C₂-C₆ alkoxy carbonyl groups, amino C₁-C₆ alkyl groups, C₁-C₆ alkylamino-C₁-C₆ alkyl groups, di(C₁-C₆ alkyl)amino-C₁-C₆ alkyl groups, C₂-C₆ alkoxy carbonylamino-C₁-C₆ alkyl groups, C₁-C₆ alkanoyl groups, C₁-C₆ alkanoylamino-C₁-C₆ alkyl groups, C₁-C₆ alkylsulfonyl groups, C₁-C₆ alkylsulfonylamino-C₁-C₆ alkyl groups, a carbamoyl group, C₁-C₆ alkylcarbamoyl groups, N,N-di(C₁-C₆ alkyl)carbamoyl groups, C₁-C₆ alkylamino groups, di(C₁-C₆ alkyl)amino groups, 5- or 6-membered heterocyclic groups containing one of nitrogen, oxygen and sulfur or the same or different two atoms thereof, 5- or 6-membered heterocyclic group-C₁-C₄ alkyl group, 5- or 6-membered heterocyclic group-amino-C₁-C₄ alkyl group.

Claim 10 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 1 ~~any one of claims 1 to 9~~, wherein the group T¹ in the formula (1) is a carbonyl group, group -C(=O)-C(=O)-N(R')-, group -C(=S)-C(=O)-N(R')-, group -C(=O)-C(=S)-N(R')- or group -C(=S)-C(=S)-N(R')-, in which R' means a hydrogen atom, hydroxyl group, alkyl group or alkoxy group.

Claim 11 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 1 ~~any one of claims 1 to 9~~, wherein the group T¹ in the formula (1) is a group -C(=O)-C(=O)-N(R')-, group -C(=S)-C(=O)-N(R')-, group -C(=O)-C(=S)-N(R')- or group -C(=S)-C(=S)-N(R')-, in which R' means a hydrogen atom, hydroxyl group, alkyl group or alkoxy group.

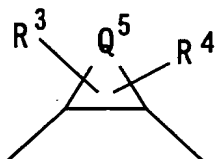
Claim 12 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 1 ~~any one of claims 1 to 11~~, wherein the group Q³ in the formula (1) is



wherein Q⁵ means an alkylene group having 3 to 6 carbon atoms or a group $-(CH_2)_m-CH_2-A-CH_2-(CH_2)_n-$, in which m and n are independently of each other 0 or 1, and A has the same meaning as defined above, and R³ and R⁴ are independently of each other a hydrogen atom, hydroxyl group, alkyl group, alkenyl group, alkynyl group, halogen atom, halogenoalkyl group, amino group, hydroxyimino group, alkoxyimino group, aminoalkyl group, N-alkylaminoalkyl group, N,N-dialkylaminoalkyl group, acyl group, acylalkyl group, acylamino group which may be substituted, acylaminoalkyl group, alkoxy group, alkoxyalkyl group, hydroxyalkyl group, carboxyl group, carboxyalkyl group, alkoxycarbonyl group, alkoxycarbonylalkyl group, alkoxycarbonylamino group, alkoxycarbonylaminoalkyl group, carbamoyl group, N-alkylcarbamoyl group which may have a substituent on the alkyl group, N,N-dialkylcarbamoyl group which may have a substituent on the alkyl group(s), N-alkenylcarbamoyl group, N-alkenylcarbamoylalkyl group, N-alkenyl-N-alkylcarbamoyl group, N-alkenyl-N-alkylcarbamoylalkyl group, N-alkoxycarbamoyl group, N-alkyl-N-alkoxycarbamoyl group, N-alkoxycarbamoylalkyl group, N-alkyl-N-alkoxycarbamoylalkyl group, carbazoyl group which may be substituted by 1 to 3 alkyl groups, alkylsulfonyl group, alkylsulfonylalkyl group, 3- to 6-membered heterocyclic carbonyl group which may be substituted, 3- to 6-membered heterocyclic carbonyloxyalkyl group which may be substituted, carbamoylalkyl group, carbamoyloxyalkyl group, N-alkylcarbamoyloxyalkyl group, N,N-dialkylcarbamoyloxyalkyl group, N-alkylcarbamoylalkyl group which may have

a substituent on the alkyl group(s), N,N-dialkylcarbamoylalkyl group which may have a substituent on the alkyl group(s), alkylsulfonylamino group, alkylsulfonylaminoalkyl group, oxo group, acyloxy group, acyloxyalkyl group, arylsulfonyl group, alkoxycarbonylalkylsulfonyl group, carboxyalkylsulfonyl group, alkoxycarbonylacyl group, carboxyacyl group, alkoxyalkyloxycarbonyl group, halogenoacyl group, N,N-dialkylaminoacyl group, acyloxyacyl group, hydroxyacyl group, alkoxyacyl group, alkoxyalkylsulfonyl group, N,N-dialkylcarbamoylacyl group, N,N-dialkylcarbamoylalkylsulfonyl group, alkylsulfonylacyl group, aminocarbothioyl group, N-alkylaminocarbothioyl group, N,N-dialkylaminocarbothioyl group or alkoxyalkyl(thiocarbonyl) group.

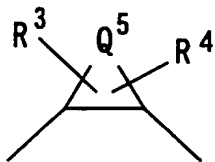
Claim 13 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 1 ~~any one of claims 1 to 11~~, wherein the group Q^3 in the formula (1) is



wherein Q^5 means a group $-(CH_2)_m-CH_2-A-CH_2-(CH_2)_n-$, in which m and n are independently of each other 0 or 1, and A has the same meaning as defined above, and R^3 and R^4 are independently of each other a hydrogen atom, hydroxyl group, alkyl group, alkenyl group, alkynyl group, halogen atom, halogenoalkyl group, amino group, hydroxyimino group, alkoxyimino group, aminoalkyl group, N-alkylaminoalkyl group, N,N-dialkylaminoalkyl group, acyl group, acylalkyl group, acylamino group which may be substituted, acylaminoalkyl group, alkoxy group, alkoxyalkyl group, hydroxyalkyl group, carboxyl group, carboxyalkyl group, alkoxycarbonyl group, alkoxycarbonylalkyl group,

alkoxycarbonylamino group, alkoxycarbonylaminoalkyl group, carbamoyl group, N-alkylcarbamoyl group which may have a substituent on the alkyl group, N,N-dialkylcarbamoyl group which may have a substituent on the alkyl group(s), N-alkenylcarbamoyl group, N-alkenylcarbamoylalkyl group, N-alkenyl-N-alkylcarbamoyl group, N-alkenyl-N-alkylcarbamoylalkyl group, N-alkoxycarbamoyl group, N-alkyl-N-alkoxycarbamoyl group, N-alkoxycarbamoylalkyl group, N-alkyl-N-alkoxycarbamoylalkyl group, carbazoyl group which may be substituted by 1 to 3 alkyl groups, alkylsulfonyl group, alkylsulfonylalkyl group, 3- to 6-membered heterocyclic carbonyl group which may be substituted, 3- to 6-membered heterocyclic carbonyloxyalkyl group which may be substituted, carbamoylalkyl group, carbamoyloxyalkyl group, N-alkylcarbamoyloxyalkyl group, N,N-dialkylcarbamoyloxyalkyl group, N-alkylcarbamoylalkyl group which may have a substituent on the alkyl group(s), N,N-dialkylcarbamoylalkyl group which may have a substituent on the alkyl group(s), alkylsulfonylamino group, alkylsulfonylaminoalkyl group, oxo group, acyloxy group, acyloxyalkyl group, arylsulfonyl group, alkoxycarbonylalkylsulfonyl group, carboxyalkylsulfonyl group, alkoxycarbonylacyl group, carboxyacyl group, alkoxyalkyloxycarbonyl group, halogenoacyl group, N,N-dialkylaminoacyl group, acyloxyacyl group, hydroxyacyl group, alkoxyacyl group, alkoxyalkylsulfonyl group, N,N-dialkylcarbamoylacyl group, N,N-dialkylcarbamoyl-alkylsulfonyl group, alkylsulfonylacyl group, aminocarbothioyl group, N-alkylaminocarbothioyl group, N,N-dialkylaminocarbothioyl group or alkoxyalkyl(thiocarbonyl) group.

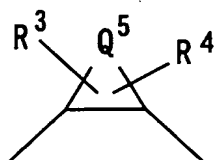
Claim 14 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 1 ~~any one of claims 1 to 11~~, wherein the group Q³ in the formula (1) is



wherein Q^5 means an alkylene group having 3 to 6 carbon atoms, and R^3 and R^4 are independently of each other a hydrogen atom, hydroxyl group, alkyl group, alkenyl group, alkynyl group, halogen atom, halogenoalkyl group, amino group, hydroxyimino group, alkoxyimino group, aminoalkyl group, N-alkylaminoalkyl group, N,N-dialkylaminoalkyl group, acyl group, acylalkyl group, acylamino group which may be substituted, acylaminoalkyl group, alkoxy group, alkoxyalkyl group, hydroxyalkyl group, carboxyl group, carboxyalkyl group, alkoxycarbonyl group, alkoxycarbonylalkyl group, alkoxycarbonylamino group, alkoxycarbonylaminoalkyl group, carbamoyl group, N-alkylcarbamoyl group which may have a substituent on the alkyl group, N,N-dialkylcarbamoyl group which may have a substituent on the alkyl group(s), N-alkenylcarbamoyl group, N-alkenylcarbamoylalkyl group, N-alkenyl-N-alkylcarbamoyl group, N-alkenyl-N-alkylcarbamoylalkyl group, N-alkoxycarbamoyl group, N-alkyl-N-alkoxycarbamoyl group, N-alkoxycarbamoylalkyl group, N-alkyl-N-alkoxycarbamoylalkyl group, carbazoyl group which may be substituted by 1 to 3 alkyl groups, alkylsulfonyl group, alkylsulfonylalkyl group, 3- to 6-membered heterocyclic carbonyl group which may be substituted, 3- to 6-membered heterocyclic carbonyloxyalkyl group which may be substituted, carbamoylalkyl group, carbamoyloxyalkyl group, N-alkylcarbamoyloxyalkyl group, N,N-dialkylcarbamoyloxyalkyl group, N-alkylcarbamoylalkyl group which may have a substituent on the alkyl group(s), N,N-dialkylcarbamoylalkyl group which may have a substituent on the alkyl group(s), alkylsulfonylamino group, alkylsulfonylaminoalkyl group, oxo group, acyloxy group, acyloxyalkyl group, arylsulfonyl group, alkoxycarbonylalkylsulfonyl group, carboxyalkylsulfonyl group, alkoxycarbonylacyl group,

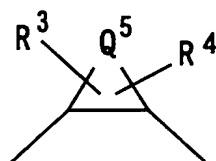
carboxyacetyl group, alkoxyalkyloxycarbonyl group, halogenoacetyl group, N,N-dialkylaminoacetyl group, acyloxyacetyl group, hydroxyacetyl group, alkoxyacetyl group, alkoxyalkylsulfonyl group, N,N-dialkylcarbamoylacetyl group, N,N-dialkylcarbamoylalkylsulfonyl group, alkylsulfonylacetyl group, aminocarbothioyl group, N-alkylaminocarbothioyl group, N,N-dialkylaminocarbothioyl group or alkoxyalkyl(thiocarbonyl) group.

Claim 15 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 1 ~~any one of claims 1 to 11~~, wherein the group Q^3 in the formula (1) is



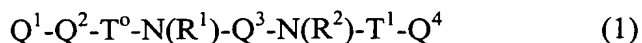
wherein Q^5 means an alkylene group having 4 carbon atoms, R^3 is a hydrogen atom, and R^4 is an N,N-dialkylcarbamoyl group which may have a substituent on the alkyl group(s).

Claim 16 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 1 ~~any one of claims 1 to 11~~, wherein the group Q^3 in the formula (1) is



wherein Q^5 means an alkylene group having 4 carbon atoms, R^3 is a hydrogen atom, and R^4 is an N,N-dimethylcarbamoyl group.

Claim 17 (Original): The compound according to Claim 1, which is represented by the general formula (1):



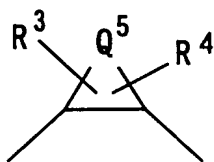
wherein

R^1 and R^2 , independently of each other, represent a hydrogen atom, hydroxyl group, alkyl group or alkoxy group;

Q^1 represents a saturated or unsaturated, 5- or 6- membered cyclic hydrocarbon group which may be substituted, a saturated or unsaturated, 5- to 7- membered heterocyclic group which may be substituted, a saturated or unsaturated, bicyclic or tricyclic fused hydrocarbon group which may be substituted, or a saturated or unsaturated, bicyclic or tricyclic fused heterocyclic group which may be substituted;

Q^2 represents a single bond, a saturated or unsaturated, 5- or 6-membered divalent cyclic hydrocarbon group which may be substituted, a saturated or unsaturated, 5- to 7-membered divalent heterocyclic group which may be substituted, a saturated or unsaturated, divalent bicyclic or tricyclic fused hydrocarbon group which may be substituted, or a saturated or unsaturated, divalent bicyclic or tricyclic fused heterocyclic group which may be substituted;

Q^3 represents the following group:



in which Q^5 means a group $-(CH_2)_m-CH_2-A-CH_2-(CH_2)_n-$, in which m and n are independently of each other 0 or an integer of 1-3, and A means an oxygen atom, nitrogen atom, sulfur atom, $-SO-$, $-SO_2-$, $-NH-$, $-O-NH-$, $-NH-NH-$,

-S-NH-, -SO-NH- or -SO₂-NH-, and R³ and R⁴ are substituents on carbon atom(s), nitrogen atom(s) or a sulfur atom(s) of a ring comprising Q⁵ and are independently of each other a hydrogen atom, hydroxyl group, alkyl group, alkenyl group, alkynyl group, halogen atom, halogenoalkyl group, cyano group, cyanoalkyl group, amino group, aminoalkyl group, N-alkylaminoalkyl group, N,N-dialkylaminoalkyl group, acyl group, acylalkyl group, acylamino group which may be substituted, alkoxyimino group, hydroxyimino group, acylaminoalkyl group, alkoxy group, alkoxyalkyl group, hydroxyalkyl group, carboxyl group, carboxyalkyl group, alkoxycarbonyl group, alkoxycarbonylalkyl group, alkoxycarbonylalkylamino group, carboxyalkylamino group, alkoxycarbonylamino group, alkoxycarbonylaminoalkyl group, carbamoyl group, N-alkylcarbamoyl group which may have a substituent on the alkyl group, N,N-dialkylcarbamoyl group which may have a substituent on the alkyl group(s), N-alkenylcarbamoyl group, N-alkenylcarbamoylalkyl group, N-alkenyl-N-alkylcarbamoyl group, N-alkenyl-N-alkylcarbamoylalkyl group, N-alkoxycarbamoyl group, N-alkyl-N-alkoxycarbamoyl group, N-alkoxycarbamoylalkyl group, N-alkyl-N-alkoxycarbamoylalkyl group, carbazoyl group which may be substituted by 1 to 3 alkyl groups, alkylsulfonyl group, alkylsulfonylalkyl group, 3- to 6-membered heterocyclic carbonyl group which may be substituted, carbamoylalkyl group, N-alkylcarbamoylalkyl group which may have a substituent on the alkyl group(s), N,N-dialkylcarbamoylalkyl group which may have a substituent on the alkyl group(s), carbamoyloxyalkyl group, N-alkylcarbamoyloxyalkyl group, N,N-dialkylcarbamoyloxyalkyl group, 3- to 6-membered heterocyclic carbonylalkyl group which may be substituted, 3- to 6-membered heterocyclic carbonyloxyalkyl group which may be substituted, aryl group, aralkyl group, heteroaryl group, heteroarylalkyl group, alkylsulfonylamino group, arylsulfonylamino group, alkylsulfonylaminoalkyl group, arylsulfonylaminoalkyl group, alkylsulfonylaminocarbonyl group, arylsulfonylaminocarbonyl group, alkylsulfonyl-aminocarbonylalkyl group,

arylsulfonylaminocarbonylalkyl group, oxo group, carbamoyloxy group, aralkyloxy group, carboxyalkyloxy group, acyloxy group, acyloxyalkyl group, arylsulfonyl group, alkoxycarbonylalkylsulfonyl group, carboxyalkylsulfonyl group, alkoxycarbonylacyl group, alkoxyalkyloxycarbonyl group, hydroxyacyl group, alkoxyacyl group, halogenoacyl group, carboxyacyl group, aminoacyl group, acyloxyacyl group, acyloxyalkylsulfonyl group, hydroxyalkylsulfonyl group, alkoxyalkylsulfonyl group, 3- to 6-membered heterocyclic sulfonyl group which may be substituted, N-alkylaminoacyl group, N,N-dialkylaminoacyl group, N,N-dialkylcarbamoylacyl group which may have a substituent on the alkyl group(s), N,N-dialkylcarbamoylalkylsulfonyl group which may have a substituent on the alkyl group(s), alkylsulfonylacyl group, aminocarbothioyl group, N-alkylaminocarbothioyl group, N,N-dialkylaminocarbothioyl group or alkoxyalkyl(thiocarbonyl) group, or R³ and R⁴, together with each other, denote an alkylene group having 1 to 5 carbon atoms, alkenylene group having 2 to 5 carbon atoms, alkylenedioxy group having 1 to 5 carbon atoms or carbonyldioxy group;

Q⁴ represents an aryl group which may be substituted, an arylalkenyl group which may be substituted, an arylalkynyl group which may be substituted, a heteroaryl group which may be substituted, a heteroarylalkenyl group which may be substituted, a saturated or unsaturated, bicyclic or tricyclic fused hydrocarbon group which may be substituted, or a saturated or unsaturated, bicyclic or tricyclic fused heterocyclic group which may be substituted;

T⁰ represents a carbonyl or thiocarbonyl group; and

T¹ represents a carbonyl group, sulfonyl group or thiocarbonyl group;

a salt thereof, a solvate thereof, or an N-oxide thereof.

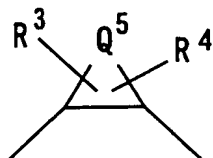
Claim 18 (Original): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 17, wherein the group Q^1 is a saturated or unsaturated, bicyclic or tricyclic fused hydrocarbon group which may be substituted, or a saturated or unsaturated, bicyclic or tricyclic fused heterocyclic group which may be substituted, and Q^2 is a single bond.

Claim 19 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 17 or 18, wherein the group Q^1 is a thienopyridyl group which may be substituted, tetrahydrothienopyridyl group which may be substituted, thiazolopyridyl group which may be substituted, tetrahydrothiazolopyridyl group which may be substituted, thiazolopyridazinyl group which may be substituted, tetrahydrothiazolopyridazinyl group which may be substituted, pyranothiazolyl group which may be substituted, dihydropyranothiazolyl group which may be substituted, furopyridyl group which may be substituted, tetrahydrofuropyridyl group which may be substituted, oxazolopyridyl group which may be substituted, tetrahydrooxazolopyridyl group which may be substituted, pyrrolopyridyl group which may be substituted, dihydropyrrolopyridyl group which may be substituted, tetrahydropyrrolopyridyl group which may be substituted, pyrrolopyrimidinyl group which may be substituted, dihydropyrrolopyrimidinyl group which may be substituted, oxazolopyridazinyl group which may be substituted, tetrahydrooxazolopyridazinyl group which may be substituted, pyrrolothiazolyl group which may be substituted, dihydropyrrolothiazolyl group which may be substituted, pyrrolooxazolyl group which may be substituted, dihydropyrrolooxazolyl group which may be substituted, benzothiazolyl group which may be substituted, tetrahydrobenzothiazolyl group which may be substituted, thiazolopyrimidinyl group which may be substituted, dihydrothiazolopyrimidinyl group which may be substituted, benzoazepinyl group which may

be substituted, tetrahydrobenzoazepinyl group which may be substituted, thiazoloazepinyl group which may be substituted, tetrahydrothiazoloazepinyl group which may be substituted, thienoazepinyl group which may be substituted, tetrahydrothienoazepinyl group which may be substituted, 4,5,6,7-tetrahydro-5,6-tetramethylenethiazolopyridazinyl group which may be substituted, or 5,6-trimethylene-4,5,6,7-tetrahydro-thiazolopyridazinyl group which may be substituted.

Claim 20 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 17 ~~any one of claims 17 to 19~~, wherein the substituent(s) on the group Q¹ are 1 to 3 substituent(s) selected from a hydroxyl group, halogen atoms, halogenoalkyl groups, an amino group, a cyano group, an amidino group, a hydroxyamidino group, C₁-C₆ alkyl groups, C₃-C₆ cycloalkyl-C₁-C₆ alkyl groups, hydroxy-C₁-C₆ alkyl groups, C₁-C₆ alkoxy groups, C₁-C₆ alkoxy C₁-C₆ alkyl groups, a carboxyl group; C₂-C₆ carboxyalkyl groups, C₂-C₆ alkoxycarbonyl-C₁-C₆ alkyl groups, amidino groups substituted by a C₂-C₆ alkoxycarbonyl group, C₂-C₆ alkenyl groups, C₂-C₆ alkynyl groups, C₂-C₆ alkoxycarbonyl groups, amino C₁-C₆ alkyl groups, C₁-C₆ alkylamino-C₁-C₆ alkyl groups, di(C₁-C₆ alkyl)amino-C₁-C₆ alkyl groups, C₂-C₆ alkoxycarbonylamino-C₁-C₆ alkyl groups, C₁-C₆ alkanoyl groups, C₁-C₆ alkanoylamino-C₁-C₆ alkyl groups, C₁-C₆ alkylsulfonyl groups, C₁-C₆ alkylsulfonylamino-C₁-C₆ alkyl groups, a carbamoyl group, C₁-C₆ alkylcarbamoyl groups, N,N-di(C₁-C₆ alkyl)carbamoyl groups, C₁-C₆ alkylamino groups, di(C₁-C₆ alkyl)amino groups, 5- or 6-membered heterocyclic groups containing one of nitrogen, oxygen and sulfur or the same or different two atoms thereof, 5- or 6-membered heterocyclic group-C₁-C₄ alkyl group, and 5- or 6-membered heterocyclic group-amino-C₁-C₄ alkyl group.

Claim 21 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 17 ~~any one of claims 17 to 20~~, wherein the group Q^3 in the formula (1) is



wherein Q^5 means a group $-(CH_2)_m-CH_2-A-CH_2-(CH_2)_n-$, in which m and n are independently of each other 0 or 1, and A has the same meaning as defined above, and R^3 and R^4 are independently of each other a hydrogen atom, hydroxyl group, alkyl group, alkenyl group, alkynyl group, halogen atom, halogenoalkyl group, amino group, hydroxyimino group, alkoxyimino group, aminoalkyl group, N-alkylaminoalkyl group, N,N-dialkylaminoalkyl group, acyl group, acylalkyl group, acylamino group which may be substituted, acylaminoalkyl group, alkoxy group, alkoxyalkyl group, hydroxyalkyl group, carboxyl group, carboxyalkyl group, alkoxycarbonyl group, alkoxycarbonylalkyl group, alkoxycarbonylamino group, alkoxycarbonylaminoalkyl group, carbamoyl group, N-alkylcarbamoyl group which may have a substituent on the alkyl group(s), N,N-dialkylcarbamoyl group which may have a substituent on the alkyl group, N-alkenylcarbamoyl group, N-alkenylcarbamoylalkyl group, N-alkenyl-N-alkylcarbamoyl group, N-alkenyl-N-alkylcarbamoylalkyl group, N-alkoxycarbamoyl group, N-alkyl-N-alkoxycarbamoyl group, N-alkoxycarbamoylalkyl group, N-alkyl-N-alkoxycarbamoylalkyl group, carbazoyl group which may be substituted by 1 to 3 alkyl groups, alkylsulfonyl group, alkylsulfonylalkyl group, 3- to 6-membered heterocyclic carbonyl group which may be substituted, 3- to 6-membered heterocyclic carbonyloxyalkyl group which may be substituted, carbamoylalkyl group, carbamoyloxyalkyl group, N-alkylcarbamoyloxyalkyl group, N,N-dialkylcarbamoyloxyalkyl group, N-alkylcarbamoylalkyl group which may have

a substituent on the alkyl group(s), N,N-dialkylcarbamoylethyl group which may have a substituent on the alkyl group(s), alkylsulfonylamino group, alkylsulfonylaminoalkyl group, oxo group, acyloxy group, acyloxyalkyl group, arylsulfonyl group, alkoxycarbonylalkylsulfonyl group, carboxyalkylsulfonyl group, alkoxycarbonylacetyl group, carboxyacetyl group, alkoxymethylsulfonyl group, halogenoacetyl group, N,N-dialkylaminoacetyl group, acyloxyacetyl group, hydroxyacetyl group, alkoxycetyl group, alkoxymethylsulfonyl group, N,N-dialkylcarbamoylethyl group, N,N-dialkylcarbamoylethylsulfonyl group, alkylsulfonylacetyl group, aminocarbothioyl group, N-alkylaminocarbothioyl group, N,N-dialkylaminocarbothioyl group or alkoxymethyl(thiocarbonyl) group.

Claim 22 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 17 ~~any one of claims 17 to 21~~, wherein the group Q⁴ in the formula (1) is a group selected from the group consisting of a naphthyl group which may be substituted, an anthryl group which may be substituted, a phenanthryl group which may be substituted, a styryl group which may be substituted, a phenylethynyl group which may be substituted, a thienylethenyl group which may be substituted, a pyridylethenyl group which may be substituted, an indenyl group which may be substituted, an indanyl group which may be substituted, a tetrahydronaphthyl group which may be substituted, a benzofuryl group which may be substituted, an isobenzofuryl group which may be substituted, a benzothienyl group which may be substituted, an indolyl group which may be substituted, an indolinyl group which may be substituted, an isoindolyl group which may be substituted, an isoindolinyl group which may be substituted, an indazolyl group which may be substituted, a quinolyl group which may be substituted, a dihydroquinolyl group which may be substituted, a 4-oxo-dihydroquinolyl group (dihydroquinolin-4-on) which may be substituted, a

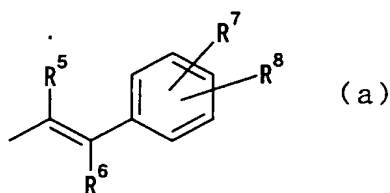
tetrahydroquinolyl group which may be substituted, an isoquinolyl group which may be substituted, a tetrahydroisoquinolyl group which may be substituted, a chromenyl group which may be substituted, a chromanyl group which may be substituted, an isochromanyl group which may be substituted, a 4H-4-oxobenzopyranyl group which may be substituted, a 3,4-dihydro-4H-4-oxobenzopyranyl group which may be substituted, a 4H-quinolizinyl group which may be substituted, a quinazolinyl group which may be substituted, a dihydroquinazolinyl group which may be substituted, a tetrahydroquinazolinyl group which may be substituted, a quinoxalinyl group which may be substituted, a tetrahydroquinoxalinyl group which may be substituted, a cinnolinyl group which may be substituted, a tetrahydrocinnolinyl group which may be substituted, an indolizinyl group which may be substituted, a tetrahydroindolizinyl group which may be substituted, a benzothiazolyl group which may be substituted, a tetrahydrobenzothiazolyl group which may be substituted, a benzoxazolyl group which may be substituted, a benzoisothiazolyl group which may be substituted, a benzoisoxazolyl group which may be substituted, a benzimidazolyl group which may be substituted, a naphthyridinyl group which may be substituted, a tetrahydronaphthyridinyl group which may be substituted, a thienopyridyl group which may be substituted, a tetrahydrothienopyridyl group which may be substituted, a thiazolopyridyl group which may be substituted, a tetrahydrothiazolopyridyl group which may be substituted, a thiazolopyridazinyl group which may be substituted, a tetrahydrothiazolopyridazinyl group which may be substituted, a pyrrolopyridyl group which may be substituted, a dihydropyrrolopyridyl group which may be substituted, a tetrahydropyrrolopyridyl group which may be substituted, a pyrrolopyrimidinyl group which may be substituted, a dihydropyrrolopyrimidinyl group which may be substituted, a pyridoquinazolinyl group which may be substituted, a dihydropyridoquinazolinyl group which may be substituted, a pyridopyrimidinyl group which may be substituted, a tetrahydropyridopyrimidinyl group

which may be substituted, a pyranothiazolyl group which may be substituted, a dihydropyranothiazolyl group which may be substituted, a furopyridyl group which may be substituted, a tetrahydrofuropyridyl group which may be substituted, an oxazolopyridyl group which may be substituted, a tetrahydrooxazolopyridyl group which may be substituted, an oxazolopyridazinyl group which may be substituted, a tetrahydrooxazolopyridazinyl group which may be substituted, a pyrrolothiazolyl group which may be substituted, a dihydropyrrolothiazolyl group which may be substituted, a pyrrolooxazolyl group which may be substituted, a dihydropyrrolooxazolyl group which may be substituted, a thienopyrrolyl group which may be substituted, a thiazolopyrimidinyl group which may be substituted, a 4-oxo-tetrahydrocinnolinyl group which may be substituted, a 1,2,4-benzothiadiazinyl group which may be substituted, a 1,1-dioxy-2H-1,2,4-benzothiadiazinyl group which may be substituted, a 1,2,4-benzoxadiazinyl group which may be substituted, a cyclopentapyranyl group which may be substituted, a thienofuranyl group which may be substituted, a furopyranyl group which may be substituted, a pyridoxazinyl group which may be substituted, a pyrazoloxazolyl group which may be substituted, an imidazothiazolyl group which may be substituted, an imidazopyridyl group which may be substituted, a tetrahydroimidazopyridyl group which may be substituted, a pyrazinopyridazinyl group which may be substituted, a benzoisoquinolyl group which may be substituted, a furocinnolyl group which may be substituted, a pyrazolothiazolopyridazinyl group which may be substituted, a tetrahydropyrazolothiazolopyridazinyl group which may be substituted, a hexahydrothiazolopyridazinopyridazinyl group which may be substituted, an imidazotriazinyl group which may be substituted, an oxazolopyridyl group which may be substituted, a benzoxepinyl group which may be substituted, a benzoazepinyl group which may be substituted, a tetrahydrobenzoazepinyl group which may be substituted, a benzodiazepinyl group which may be substituted, a benzotriazepinyl group which may be substituted, a

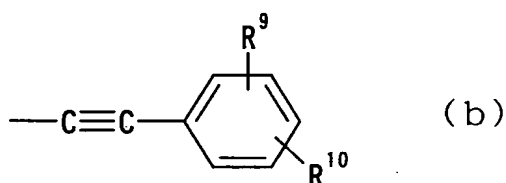
thienoazepinyl group which may be substituted, a tetrahydrothienoazepinyl group which may be substituted, a thienodiazepinyl group which may be substituted, a thienotriazepinyl group which may be substituted, a thiazoloazepinyl group which may be substituted, a tetrahydrothiazoloazepinyl group which may be substituted, a 4,5,6,7-tetrahydro-5,6-tetramethylenethiazolopyridazinyl group which may be substituted, and a 5,6-trimethylene-4,5,6,7-tetrahydrothiazolopyridazinyl group which may be substituted.

Claim 23 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 17 ~~any one of claims 17 to 21~~, wherein the substituent(s) on the group Q⁴ are 1 to 3 substituents selected from a hydroxyl group, halogen atoms, halogenoalkyl groups, an amino group, a cyano group, aminoalkyl groups, a nitro group, hydroxyalkyl groups, alkoxyalkyl groups, a carboxyl group, carboxyalkyl groups, alkoxycarbonylalkyl groups, acyl groups, an amidino group, a hydroxyamidino group, linear, branched or cyclic alkyl groups having 1 to 6 carbon atoms, linear, branched or cyclic alkoxy groups having 1 to 6 carbon atoms, amidino groups substituted by linear, branched or cyclic alkoxycarbonyl group having 2 to 7 carbon atoms, linear, branched or cyclic alkenyl groups having 2 to 6 carbon atoms, linear or branched alkynyl groups having 2 to 6 carbon atoms, linear, branched or cyclic alkoxycarbonyl groups having 2 to 6 carbon atoms, a carbamoyl group, mono- or di-alkylcarbamoyl groups substituted by a linear, branched or cyclic alkyl groups having 1 to 6 carbon atoms on the nitrogen atom(s), mono- or di-alkylamino groups substituted by linear, branched or cyclic alkyl groups having 1 to 6 carbon atoms, and 5- or 6-membered nitrogen-containing heterocyclic groups.

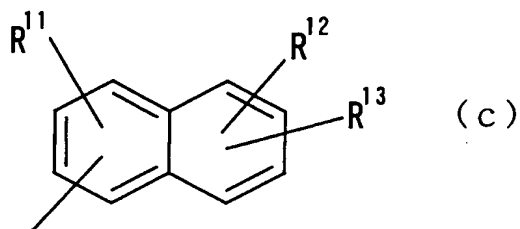
Claim 24 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 17 ~~any one of claims 17 to 21~~, wherein the group Q⁴ is



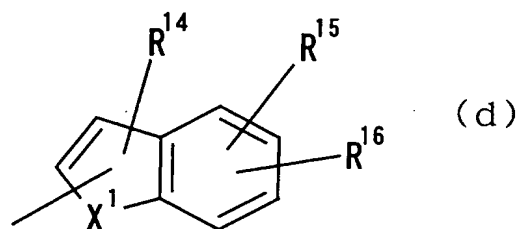
wherein R^5 and R^6 , independently of each other, represent a hydrogen atom, cyano group, halogen atom, alkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, alkoxycarbonyl group, alkoxycarbonylalkyl group, or phenyl group which may be substituted by a cyano group, hydroxyl group, halogen atom, alkyl group or alkoxy group, and R^7 and R^8 , independently of each other, represent a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group;



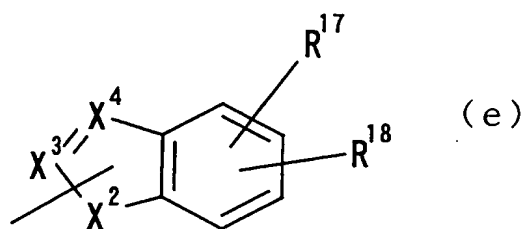
wherein R^9 and R^{10} , independently of each other, represent a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group;



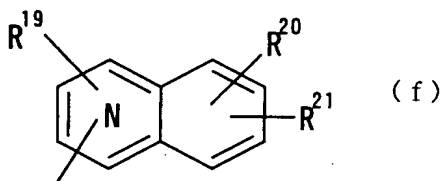
wherein R^{11} , R^{12} and R^{13} , independently of one another, represent a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group;



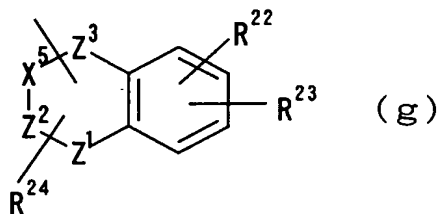
wherein X^1 represents CH_2 , CH , NH , NOH , N , O or S , and R^{14} , R^{15} and R^{16} , independently of one another, represent a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group;



wherein X^2 represents NH, N, O or S, X^3 represents N, C or CH, X^4 represents N, C or CH, and R^{17} and R^{18} , independently of each other, represent a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group, excluding the cases where X^3 and X^4 are combinations of C and CH, and are both C or CH;

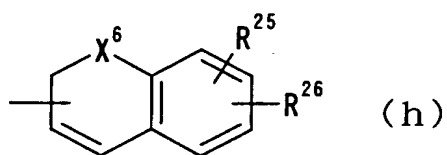


wherein N indicates that 1 or 2 carbon atoms of the ring substituted by R^{19} have been substituted by a nitrogen atom, and R^{19} , R^{20} and R^{21} , independently of one another, represent a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group;

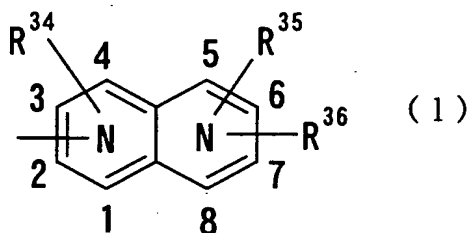


wherein X^5 represents CH_2 , CH, N or NH, Z^1 represents N, NH or O, Z^2 represents CH_2 , CH, C or N, Z^3 represents CH_2 , CH, S, SO_2 or C=O, X^5-Z^2 indicates that X^5 and Z^2 are bonded to

each other by a single bond or double bond, R^{22} and R^{23} , independently of each other, represent a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group, and R^{24} represents a hydrogen atom or alkyl group;



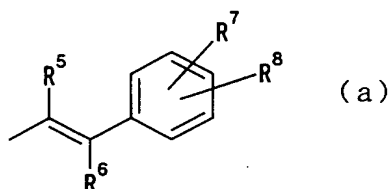
wherein X^6 represents O or S, and R^{25} and R^{26} , independently of each other, represent a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group; or



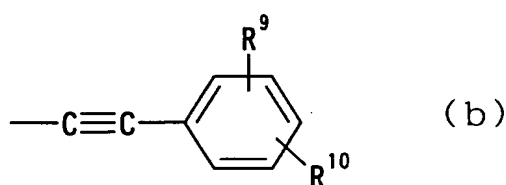
wherein numerals 1 to 8 indicate positions, each N indicates that any one of carbon atoms of positions 1 to 4 and any one of carbon atoms of positions 5 to 8 has been substituted by a nitrogen atom, and R^{34} , R^{35} and R^{36} , independently of one another, represent a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group,

alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group.

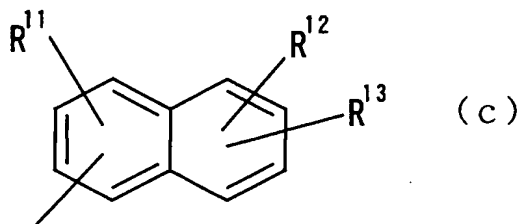
Claim 25 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 17 ~~any one of claims 17 to 21~~, wherein the group Q^4 represents any of the following groups:



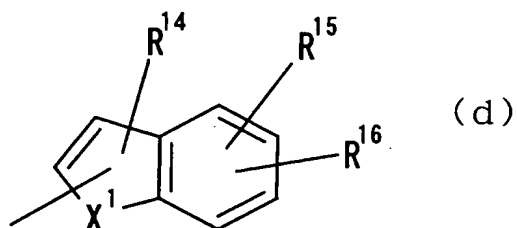
wherein R^5 and R^6 , independently of each other, represent a hydrogen atom or alkyl group, R^7 represents a hydrogen atom, and R^8 represents a hydrogen atom, halogen atom, alkyl group or alkynyl group;



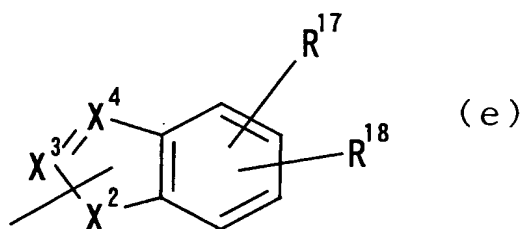
wherein R^9 represents a hydrogen atom, and R^{10} represents a hydrogen atom, halogen atom, alkyl group or alkynyl group;



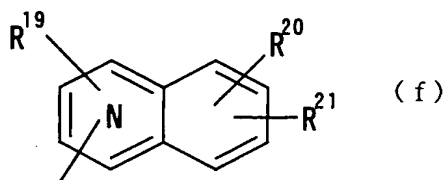
wherein R^{11} and R^{12} both represent hydrogen atoms, and R^{13} represents a hydrogen atom, halogen atom, alkyl group or alkynyl group;



wherein X^1 represents NH, NOH, N, O or S, R^{14} represents a hydrogen atom, halogen atom, acyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group or alkyl group, R^{15} represents a hydrogen atom or halogen atom, and R^{16} represents a hydrogen atom, halogen atom, alkyl group or alkynyl group;

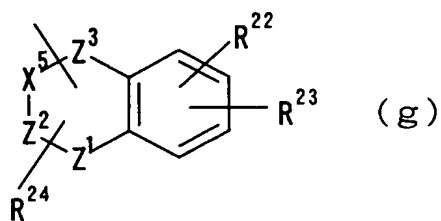


wherein X^2 represents NH, O or S, X^3 represents N, C or CH, X^4 represents N, C or CH, R^{17} represents a hydrogen atom, and R^{18} represents a hydrogen atom, halogen atom, alkyl group or alkynyl group, excluding the cases where X^3 and X^4 are combinations of C and CH, and are both C or CH;

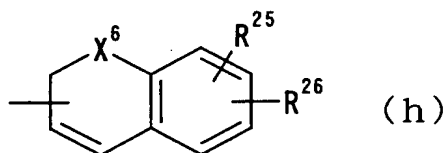


wherein N indicates that 1 or 2 carbon atoms of the ring substituted by R^{19} have been substituted by a nitrogen atom, R^{19} and R^{20} both represent hydrogen atoms, and R^{21}

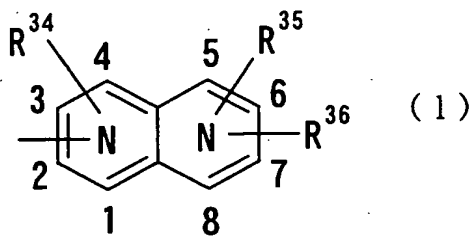
represents a hydrogen atom, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group or halogenoalkyl group;



wherein X^5 represents CH_2 , CH , N or NH , Z^1 represents N , NH or O , Z^2 represents CH_2 , CH , C or N , Z^3 represents CH_2 , CH , S , SO_2 or $C=O$, X^5-Z^2 indicates that X^5 and Z^2 are bonded to each other by a single bond or double bond, R^{22} represents a hydrogen atom, R^{23} represents a hydrogen atom, halogen atom, alkyl group or alkynyl group, and R^{24} represents a hydrogen atom;



wherein X^6 represents O , R^{25} represents a hydrogen atom, and R^{26} represents a hydrogen atom, halogen atom, alkyl group or alkynyl group; or



wherein numerals 1 to 8 indicate positions, each N indicates that any one of carbon atoms of positions 1 to 4 and any one of carbon atoms of positions 5 to 8 has been substituted by a nitrogen atom, R^{34} represents a hydrogen atom or halogen atom, R^{35} represents a hydrogen

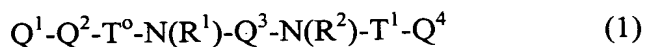
atom or halogen atom, and R³⁶ represents a hydrogen atom, halogen atom, alkyl group or alkynyl group.

Claim 26 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 17 ~~any one of claims 17 to 21~~, wherein the group Q⁴ is a 4-chlorostyryl, 4-fluorostyryl, 4-bromostyryl, 4-ethynylstyryl, 4-chlorophenylethynyl, 4-fluorophenylethynyl, 4-bromophenylethynyl, 4-ethynylphenylethynyl, 6-chloro-2-naphthyl, 6-fluoro-2-naphthyl, 6-bromo-2-naphthyl, 6-ethynyl-2-naphthyl, 7-chloro-2-naphthyl, 7-fluoro-2-naphthyl, 7-bromo-2-naphthyl, 7-ethynyl-2-naphthyl, 5-chloroindol-2-yl, 5-fluoroindol-2-yl, 5-bromoindol-2-yl, 5-ethynylindol-2-yl, 5-methylindol-2-yl, 5-chloro-4-fluoroindol-2-yl, 5-chloro-3-fluoroindol-2-yl, 3-bromo-5-chloroindol-2-yl, 3-chloro-5-fluoroindol-2-yl, 3-bromo-5-fluoroindol-2-yl, 5-bromo-3-chloroindol-2-yl, 5-bromo-3-fluoroindol-2-yl, 5-chloro-3-formylindol-2-yl, 5-fluoro-3-formylindol-2-yl, 5-bromo-3-formylindol-2-yl, 5-ethynyl-3-formylindol-2-yl, 5-chloro-3-(N,N-dimethylcarbamoyl)indol-2-yl, 5-fluoro-3-(N,N-dimethylcarbamoyl)indol-2-yl, 5-bromo-3-(N,N-dimethylcarbamoyl)indol-2-yl, 5-ethynyl-3-(N,N-dimethylcarbamoyl)indol-2-yl, 6-chloroindol-2-yl, 6-fluoroindol-2-yl, 6-bromoindol-2-yl, 6-ethynylindol-2-yl, 6-methylindol-2-yl, 5-chlorobenzothiophen-2-yl, 5-fluorobenzothiophen-2-yl, 5-bromobenzothiophen-2-yl, 5-ethynylbenzothiophen-2-yl, 5-methylbenzothiophen-2-yl, 5-chloro-4-fluorobenzothiophen-2-yl, 6-chloro-benzothiophen-2-yl, 6-fluorobenzothiophen-2-yl, 6-bromobenzothiophen-2-yl, 6-ethynylbenzothiophen-2-yl, 6-methylbenzothiophen-2-yl, 5-chlorobenzofuran-2-yl, 5-fluorobenzofuran-2-yl, 5-bromobenzofuran-2-yl, 5-ethynylbenzofuran-2-yl, 5-methylbenzofuran-2-yl, 5-chloro-4-fluorobenzofuran-2-yl, 6-chlorobenzofuran-2-yl, 6-fluorobenzofuran-2-yl, 6-bromobenzofuran-2-yl, 6-ethynylbenzofuran-2-yl, 6-methylbenzofuran-2-yl, 5-chlorobenzimidazol-2-yl, 5-fluorobenzimidazol-2-yl, 5-

bromobenzimidazol-2-yl, 5-ethynylbenzimidazol-2-yl, 6-chloroquinolin-2-yl, 6-fluoroquinolin-2-yl, 6-bromoquinolin-2-yl, 6-ethynylquinolin-2-yl, 7-chloroquinolin-3-yl, 7-fluoroquinolin-3-yl, 7-bromoquinolin-3-yl, 7-ethynylquinolin-3-yl, 7-chloroisoquinolin-3-yl, 7-fluoroisoquinolin-3-yl, 7-bromoisoquinolin-3-yl, 7-ethynylisoquinolin-3-yl, 7-chlorocinnolin-3-yl, 7-fluorocinnolin-3-yl, 7-bromocinnolin-3-yl, 7-ethynylcinnolin-3-yl, 7-chloro-2H-chromen-3-yl, 7-fluoro-2H-chromen-3-yl, 7-bromo-2H-chromen-3-yl, 7-ethynyl-2H-chromen-3-yl, 6-chloro-4-oxo-1,4-dihydroquinolin-2-yl, 6-fluoro-4-oxo-1,4-dihydroquinolin-2-yl, 6-bromo-4-oxo-1,4-dihydroquinolin-2-yl, 6-ethynyl-4-oxo-1,4-dihydroquinolin-2-yl, 6-chloro-4-oxo-1,4-dihydroquinazolin-2-yl, 6-fluoro-4-oxo-1,4-dihydroquinazolin-2-yl, 6-bromo-4-oxo-1,4-dihydroquinazolin-2-yl, 6-ethynyl-4-oxo-1,4-dihydroquinazolin-2-yl, 2-chlorothieno[2,3-b]pyrrol-5-yl, 2-fluorothieno[2,3-b]pyrrol-5-yl, 2-bromothieno[2,3-b]pyrrol-5-yl or 2-ethynylthieno[2,3-b]pyrrol-5-yl group.

Claim 27 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 17 ~~any one of claims 17 to 26~~, wherein T¹ is a carbonyl group.

Claim 28 (Original): The compound according to Claim 1, which is represented by the general formula (1):



wherein

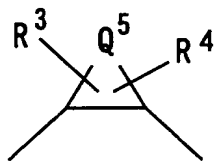
R¹ and R², independently of each other, represent a hydrogen atom, hydroxyl group, alkyl group or alkoxy group;

Q¹ represents a saturated or unsaturated, 5- or 6- membered cyclic hydrocarbon group which may be substituted, a saturated or unsaturated, 5- to 7- membered heterocyclic group

which may be substituted, a saturated or unsaturated, bicyclic or tricyclic fused hydrocarbon group which may be substituted, or a saturated or unsaturated, bicyclic or tricyclic fused heterocyclic group which may be substituted;

Q^2 represents a single bond, a saturated or unsaturated, 5- or 6-membered divalent cyclic hydrocarbon group which may be substituted, a saturated or unsaturated, 5- to 7-membered divalent heterocyclic group which may be substituted, a saturated or unsaturated, divalent bicyclic or tricyclic fused hydrocarbon group which may be substituted, or a saturated or unsaturated, divalent bicyclic or tricyclic fused heterocyclic group which may be substituted;

Q^3 represents the following group:



in which Q^5 means an alkylene group having 1 to 8 carbon atoms, an alkenylene group having 2 to 8 carbon atoms or a group $-(CH_2)_m-CH_2-A-CH_2-(CH_2)_n-$, in which m and n are independently of each other 0 or an integer of 1-3, and A means an oxygen atom, nitrogen atom, sulfur atom, $-SO-$, $-SO_2-$, $-NH-$, $-O-NH-$, $-NH-NH-$, $-S-NH-$, $-SO-NH-$ or $-SO_2-NH-$, and R^3 and R^4 are substituents on carbon atom(s) of a ring comprising Q^5 and are independently of each other a hydrogen atom, hydroxyl group, alkyl group, alkenyl group, alkynyl group, halogen atom, halogenoalkyl group, cyano group, cyanoalkyl group, amino group, aminoalkyl group, N-alkylaminoalkyl group, N,N-dialkylaminoalkyl group, acyl group, acylalkyl group, acylamino group which may be substituted, alkoxyimino group, hydroxyimino group, acylaminoalkyl group, alkoxy group, alkoxyalkyl group, hydroxyalkyl group, carboxyl group, carboxyalkyl group, alkoxycarbonyl group, alkoxycarbonylalkyl group, alkoxycarbonylalkylamino group, carboxyalkylamino group, alkoxycarbonylamino

group, alkoxycarbonylaminoalkyl group, carbamoyl group, N-alkylcarbamoyl group which may have a substituent on the alkyl group, N,N-dialkylcarbamoyl group which may have a substituent on the alkyl group(s), N-alkenylcarbamoyl group, N-alkenylcarbamoylalkyl group, N-alkenyl-N-alkylcarbamoyl group, N-alkenyl-N-alkylcarbamoylalkyl group, N-alkoxycarbamoyl group, N-alkyl-N-alkoxycarbamoyl group, N-alkoxycarbamoylalkyl group, N-alkyl-N-alkoxycarbamoylalkyl group, carbazoyl group which may be substituted by 1 to 3 alkyl groups, alkylsulfonyl group, alkylsulfonylalkyl group, 3- to 6-membered heterocyclic carbonyl group which may be substituted, carbamoylalkyl group, N-alkylcarbamoylalkyl group which may have a substituent on the alkyl group(s), N,N-dialkylcarbamoylalkyl group which may have a substituent on the alkyl group(s), carbamoyloxyalkyl group, N-alkylcarbamoyloxyalkyl group, N,N-dialkylcarbamoyloxyalkyl group, 3- to 6-membered heterocyclic carbonylalkyl group which may be substituted, 3- to 6-membered heterocyclic carbonyloxyalkyl group which may be substituted, aryl group, aralkyl group, heteroaryl group, heteroarylalkyl group, alkylsulfonylamino group, arylsulfonylamino group, alkylsulfonylaminoalkyl group, arylsulfonylaminoalkyl group, alkylsulfonylaminocarbonyl group, arylsulfonylaminocarbonyl group, alkylsulfonyl-aminocarbonylalkyl group, arylsulfonylaminocarbonylalkyl group, oxo group, carbamoyloxy group, aralkyloxy group, carboxyalkyloxy group, acyloxy group, acyloxyalkyl group, arylsulfonyl group, alkoxycarbonylalkylsulfonyl group, carboxyalkylsulfonyl group, alkoxycarbonylacyl group, alkoxyalckyloxy carbonyl group, hydroxyacyl group, alkoxyacyl group, halogenoacyl group, carboxyacyl group, aminoacyl group, acyloxyacyl group, acyloxyalkylsulfonyl group, hydroxyalkylsulfonyl group, alkoxyalkylsulfonyl group, 3- to 6-membered heterocyclic sulfonyl group which may be substituted, N-alkylaminoacyl group, N,N-dialkylaminoacyl group, N,N-dialkylcarbamoylacyl group which may have a substituent on the alkyl group(s), N,N-dialkylcarbamoylalkylsulfonyl group which may have a substituent on the alkyl

group(s), alkylsulfonylacyl group, aminocarbothioyl group, N-alkylaminocarbothioyl group, N,N-dialkylaminocarbothioyl group or alkoxyalkyl(thiocarbonyl) group, or R^3 and R^4 , together with each other, denote an alkylene group having 1 to 5 carbon atoms, alkenylene group having 2 to 5 carbon atoms, alkylendioxy group having 1 to 5 carbon atoms or carbonyldioxy group;

Q^4 represents an aryl group which may be substituted, an arylalkenyl group which may be substituted, an arylalkynyl group which may be substituted, a heteroaryl group which may be substituted, a heteroarylalkenyl group which may be substituted, a saturated or unsaturated, bicyclic or tricyclic fused hydrocarbon group which may be substituted, or a saturated or unsaturated, bicyclic or tricyclic fused heterocyclic group which may be substituted;

T^0 represents a carbonyl or thiocarbonyl group; and

T^1 represents group $-C(=O)-C(=O)-N(R')$ -, group

$-C(=S)-C(=O)-N(R')$ -, group $-C(=O)-C(=S)-N(R')$ -, group

$-C(=S)-C(=S)-N(R')$ -, in which R' means a hydrogen atom, hydroxyl group, alkyl group or alkoxy group, group

$-C(=O)-A^1-N(R'')$ -, in which A^1 means an alkylene group having 1 to 5 carbon atoms, which may be substituted, and R'' means a hydrogen atom, hydroxyl group, alkyl group or alkoxy group, group $-C(=O)-NH$ -, group $-C(=S)-NH$ -, group $-C(=O)-NH-NH$ -, group $-C(=O)-A^2-C(=O)-$, in which A^2 means a single bond or alkylene group having 1 to 5 carbon atoms, group $-C(=O)-A^3-C(=O)-NH$ -, in which A^3 means an alkylene group having 1 to 5 carbon atoms, group $-C(=O)-C(=NOR^a)-N(R^b)$ -, group $-C(=S)-C(=NOR^a)-N(R^b)$ -, in which R^a means a hydrogen atom, alkyl group or alkanoyl group, and R^b means a hydrogen atom, hydroxyl group, alkyl group or alkoxy group, group $-C(=O)-N=N$ -, group $-C(=S)-N=N$ -, group $-C(=NOR^c)-C(=O)-N(R^d)$ -, in which R^c means a hydrogen atom, alkyl group, alkanoyl

group, aryl group or aralkyl group, and R^d means a hydrogen atom, hydroxyl group, alkyl group or alkoxy group, group $-C(=N-N(R^e)(R^f))-C(=O)-N(R^g)-$, in which R^e and R^f , independently of each other, mean a hydrogen atom, alkyl group, alkanoyl or alkyl(thiocarbonyl) group, and R^g means a hydrogen atom, hydroxyl group, alkyl group or alkoxy group, or thiocarbonyl group, a salt thereof, a solvate thereof, or an N-oxide thereof.

Claim 29 (Original): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 28, wherein the group Q^1 is a saturated or unsaturated, bicyclic or tricyclic fused hydrocarbon group which may be substituted, or a saturated or unsaturated, bicyclic or tricyclic fused heterocyclic group which may be substituted, and Q^2 is a single bond.

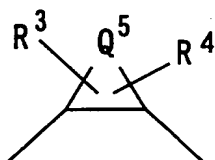
Claim 30 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 28 ~~or 29~~, wherein the group Q^1 is a thienopyridyl group which may be substituted, tetrahydrothienopyridyl group which may be substituted, thiazolopyridyl group which may be substituted, tetrahydrothiazolopyridyl group which may be substituted, thiazolopyridazinyl group which may be substituted, tetrahydrothiazolopyridazinyl group which may be substituted, pyranothiazolyl group which may be substituted, dihydropyranothiazolyl group which may be substituted, furopyridyl group which may be substituted, tetrahydrofuropyridyl group which may be substituted, oxazolopyridyl group which may be substituted, tetrahydrooxazolopyridyl group which may be substituted, pyrrolopyridyl group which may be substituted, dihydropyrrolopyridyl group which may be substituted, tetrahydropyrrolopyridyl group which may be substituted, pyrrolopyrimidinyl group which may be substituted, dihydropyrrolopyrimidinyl group which

may be substituted, oxazolopyridazinyl group which may be substituted, tetrahydrooxazolopyridazinyl group which may be substituted, pyrrolothiazolyl group which may be substituted, dihydropyrrolothiazolyl group which may be substituted, pyrrolooxazolyl group which may be substituted, dihydropyrrolooxazolyl group which may be substituted, benzothiazolyl group which may be substituted, tetrahydrobenzothiazolyl group which may be substituted, thiazolopyrimidinyl group which may be substituted, dihydrothiazolopyrimidinyl group which may be substituted, benzoazepinyl group which may be substituted, tetrahydrobenzoazepinyl group which may be substituted, thiazoloazepinyl group which may be substituted, tetrahydrothiazoloazepinyl group which may be substituted, thienoazepinyl group which may be substituted, tetrahydrothienoazepinyl group which may be substituted, 4,5,6,7-tetrahydro-5,6-tetramethylenethiazolopyridazinyl group which may be substituted, or 5,6-trimethylene-4,5,6,7-tetrahydro-thiazolopyridazinyl group which may be substituted.

Claim 31 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 28 ~~any one of claims 28 to 30~~, wherein the substituent(s) on the group Q¹ are 1 to 3 substituent(s) on the group Q¹ are 1 to 3 substituents selected from a hydroxyl group, halogen atoms, halogenoalkyl groups, an amino group, a cyano group, an amidino group, a hydroxyamidino group, C₁-C₆ alkyl groups, C₃-C₆ cycloalkyl-C₁-C₆ alkyl groups, hydroxy-C₁-C₆ alkyl groups, C₁-C₆ alkoxy groups, C₁-C₆ alkoxy-C₁-C₆ alkyl groups, a carboxyl group, C₂-C₆ carboxyalkyl groups, C₂-C₆ alkoxycarbonyl-C₁-C₆ alkyl groups, amidino groups substituted by a C₂-C₆ alkoxycarbonyl group, C₂-C₆ alkenyl groups, C₂-C₆ alkynyl groups, C₂-C₆ alkoxycarbonyl groups, amino C₁-C₆ alkyl groups, C₁-C₆ alkylamino-C₁-C₆ alkyl groups, di(C₁-C₆ alkyl)amino-C₁-C₆ alkyl groups, C₂-C₆ alkoxycarbonylamino-C₁-C₆ alkyl groups, C₁-C₆ alkanoyl groups, C₁-C₆

alkanoylamino-C₁-C₆ alkyl groups, C₁-C₆ alkylsulfonyl groups, C₁-C₆ alkylsulfonylamino-C₁-C₆ alkyl groups, a carbamoyl group, C₁-C₆ alkylcarbamoyl groups, N,N-di(C₁-C₆ alkyl)carbamoyl groups, C₁-C₆ alkylamino groups, di(C₁-C₆ alkyl)amino groups, 5- or 6-membered heterocyclic groups containing one of nitrogen, oxygen and sulfur or the same or different two atoms thereof, 5- or 6-membered heterocyclic group-C₁-C₄ alkyl group, and 5- or 6-membered heterocyclic group-amino-C₁-C₄ alkyl group.

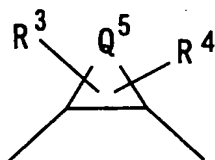
Claim 32 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 28 ~~any one of claims 28 to 31~~, wherein the group Q³ is



wherein Q⁵ means an alkylene group having 3 to 6 carbon atoms or a group -(CH₂)_m-CH₂-A-CH₂-(CH₂)_n-, in which m and n are independently of each other 0 or 1, and A has the same meaning as defined above, and R³ and R⁴ are independently of each other a hydrogen atom, hydroxyl group, alkyl group, alkenyl group, alkynyl group, halogen atom, halogenoalkyl group, amino group, hydroxyimino group, alkoxyimino group, aminoalkyl group, N-alkylaminoalkyl group, N,N-dialkylaminoalkyl group, acyl group, acylalkyl group, acylamino group which may be substituted, acylaminoalkyl group, alkoxy group, alkoxyalkyl group, hydroxyalkyl group, carboxyl group, carboxyalkyl group, alkoxycarbonyl group, alkoxycarbonylalkyl group, alkoxycarbonylamino group, alkoxycarbonylaminoalkyl group, carbamoyl group, N-alkylcarbamoyl group which may have a substituent on the alkyl group, N,N-dialkylcarbamoyl group which may have a substituent on the alkyl group(s), N-alkenylcarbamoyl group, N-alkenylcarbamoylalkyl group, N-alkenyl-N-alkylcarbamoyl

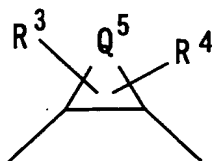
group, N-alkenyl-N-alkylcarbamoylethyl group, N-alkoxycarbamoylethyl group, N-alkyl-N-alkoxycarbamoylethyl group, N-alkoxycarbamoylethyl group, N-alkyl-N-alkoxycarbamoylethyl group, carbazoyl group which may be substituted by 1 to 3 alkyl groups, alkylsulfonyl group, alkylsulfonylalkyl group, 3- to 6-membered heterocyclic carbonyl group which may be substituted, 3- to 6-membered heterocyclic carbonyloxyalkyl group which may be substituted, carbamoylethyl group, carbamoyloxyalkyl group, N-alkylcarbamoyloxyalkyl group, N,N-dialkylcarbamoyloxyalkyl group, N-alkylcarbamoylalkyl group which may have a substituent on the alkyl group(s), N,N-dialkylcarbamoylalkyl group which may have a substituent on the alkyl group(s), alkylsulfonylamino group, alkylsulfonylaminoalkyl group, oxo group, acyloxy group, acyloxyalkyl group, arylsulfonyl group, alkoxycarbonylalkylsulfonyl group, carboxyalkylsulfonyl group, alkoxycarbonylacyl group, carboxyacyl group, alkoxyalkyloxycarbonyl group, halogenoacyl group, N,N-dialkylaminoacyl group, acyloxyacyl group, hydroxyacyl group, alkoxyacyl group, alkoxyalkylsulfonyl group, N,N-dialkylcarbamoylacyl group, N,N-dialkylcarbamoylalkylsulfonyl group, alkylsulfonylacyl group, aminocarbothioyl group, N-alkylaminocarbothioyl group, N,N-dialkylaminocarbothioyl group or alkoxyalkyl(thiocarbonyl) group.

Claim 33 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 28 ~~any one of claims 28 to 31~~, wherein the group Q^3 is



wherein Q^5 means an alkylene group having 4 carbon atoms, R^3 is a hydrogen atom, and R^4 is an N,N-dialkylcarbamoyl group which may have a substituent on the alkyl group(s).

Claim 34 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 28 ~~any one of claims 28 to 31~~, wherein the group Q^3 is



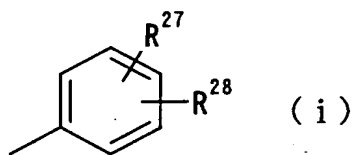
wherein Q^5 means an alkylene group having 4 carbon atoms, R^3 is a hydrogen atom, and R^4 is an N,N-dimethylcarbamoyl group.

Claim 35 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 28 ~~any one of claims 28 to 34~~, wherein the group Q^4 is a group selected from a phenyl group which may be substituted, a pyridyl group which may be substituted, a pyridazinyl group which may be substituted, a pyrazinyl group which may be substituted, a furyl group which may be substituted, a thienyl group which may be substituted, a pyrrolyl group which may be substituted, a thiazolyl group which may be substituted, an oxazolyl group which may be substituted, a pyrimidinyl group which may be substituted and a tetrazolyl group which may be substituted,

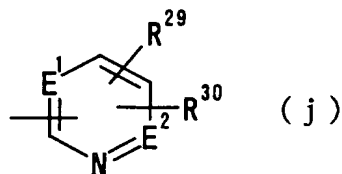
Claim 36 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 28 ~~any one of claims 28 to 35~~, wherein the substituent(s) on the group Q^4 are 1 to 3 substituents selected from a hydroxyl group, halogen atoms, halogenoalkyl groups, an amino group, a cyano group, aminoalkyl groups, a nitro

group, hydroxyalkyl groups, alkoxyalkyl groups, a carboxyl group, carboxyalkyl groups, alkoxycarbonylalkyl groups, acyl groups, an amidino group, a hydroxyamidino group, linear, branched or cyclic alkyl groups having 1 to 6 carbon atoms, linear, branched or cyclic alkoxy groups having 1 to 6 carbon atoms, amidino groups substituted by a linear, branched or cyclic alkoxycarbonyl group having 2 to 7 carbon atoms, linear, branched or cyclic alkenyl groups having 2 to 6 carbon atoms, linear or branched alkynyl groups having 2 to 6 carbon atoms, linear, branched or cyclic alkoxycarbonyl groups having 2 to 6 carbon atoms, a carbamoyl group, mono- or di-alkylcarbamoyl groups substituted by a linear, branched or cyclic alkyl groups having 1 to 6 carbon atoms on the nitrogen atom(s), mono- or di-alkylamino groups substituted by linear, branched or cyclic alkyl groups having 1 to 6 carbon atoms, and 5- or 6-membered nitrogen-containing heterocyclic groups.

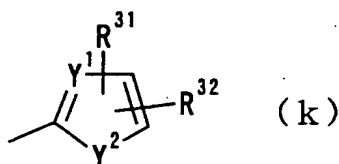
Claim 37 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 28 ~~any one of claims 28 to 34~~, wherein the group Q⁴ is



wherein R²⁷ and R²⁸, independently of each other, represent a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group;

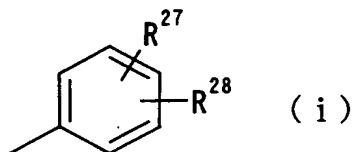


wherein E¹ and E², independently of each other, represent N or CH, and R²⁹ and R³⁰, independently of each other, represent a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group; or

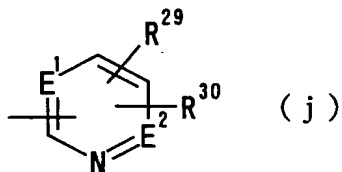


wherein Y¹ represents CH or N, Y² represents -N(R³³)-, in which R³³ means a hydrogen atom or alkyl group having 1 to 6 carbon atoms, O or S, and R³¹ and R³², independently of each other, represent a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group.

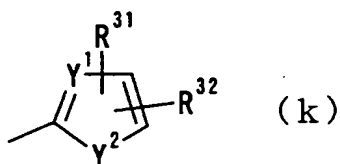
Claim 38 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 28 ~~any one of claims 28 to 34~~, wherein the group Q⁴ is



wherein R^{27} is a hydrogen atom or halogen atom, and R^{28} is a hydrogen atom, halogen atom, alkyl group or alkynyl group;



wherein E^1 and E^2 , independently of each other, represent N or CH, R^{29} is a hydrogen atom or halogen atom, and R^{30} is a hydrogen atom, halogen atom, alkyl group or alkynyl group; or



wherein Y^1 is CH or N, Y^2 is $-N(R^{33})-$, in which R^{33} means a hydrogen atom or alkyl group having 1 to 6 carbon atoms, O or S, and R^{31} is a hydrogen atom or halogen atom and R^{32} is a hydrogen atom, halogen atom, alkyl group or alkynyl group.

Claim 39 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 28 ~~any one of claims 28 to 34~~, wherein the group Q^4 is a phenyl, 4-chlorophenyl, 4-fluorophenyl, 4-bromophenyl, 4-ethynylphenyl, 3-chlorophenyl, 3-fluorophenyl, 3-bromophenyl, 3-ethynylphenyl, 3-chloro-4-fluorophenyl, 4-chloro-3-fluorophenyl, 4-chloro-2-fluorophenyl, 2-chloro-4-fluorophenyl, 4-bromo-2-fluorophenyl, 2-bromo-4-fluorophenyl, 2,4-dichlorophenyl, 2,4-difluorophenyl, 2,4-dibromophenyl, 4-chloro-3-methylphenyl, 4-fluoro-3-methylphenyl, 4-bromo-3-

methylphenyl, 4-chloro-2-methylphenyl, 4-fluoro-2-methylphenyl, 4-bromo-2-methylphenyl, 3,4-dichlorophenyl, 3,4-difluorophenyl, 3,4-dibromophenyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, 4-chloro-2-pyridyl, 4-fluoro-2-pyridyl, 4-bromo-2-pyridyl, 4-ethynyl-2-pyridyl, 4-chloro-3-pyridyl, 4-fluoro-3-pyridyl, 4-bromo-3-pyridyl, 4-ethynyl-3-pyridyl, 5-chloro-2-pyridyl, 5-fluoro-2-pyridyl, 5-bromo-2-pyridyl, 5-ethynyl-2-pyridyl, 4-chloro-5-fluoro-2-pyridyl, 5-chloro-4-fluoro-2-pyridyl, 5-chloro-3-pyridyl, 5-fluoro-3-pyridyl, 5-bromo-3-pyridyl, 5-ethynyl-3-pyridyl, 6-chloro-3-pyridazinyl, 6-fluoro-3-pyridazinyl, 6-bromo-3-pyridazinyl, 6-ethynyl-3-pyridazinyl, 5-chloro-2-thiazolyl, 5-fluoro-2-thiazolyl, 5-bromo-2-thiazolyl or 5-ethynyl-2-thiazolyl.

Claim 40 (Currently Amended): The compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 28 ~~any one of claims 28 to 39~~, wherein the group T^1 is a group $-C(=O)-C(=O)-N(R')$ -, group $-C(=S)-C(=O)-N(R')$ -, group $-C(=O)-C(=S)-N(R')$ - or group $-C(=S)-C(=S)-N(R')$ -.

Claim 41 (Currently Amended): A medicine comprising the compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 1 ~~any one of claims 1 to 40~~.

Claim 42 (Currently Amended): An activated blood coagulation factor X inhibitor comprising the compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 1 ~~any one of claims 1 to 40~~.

Claim 43 (Currently Amended): An anticoagulant comprising the compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 1 ~~any one of claims 1 to 40.~~

Claim 44 (Currently Amended): An agent for preventing and/or treating thrombosis or embolism, comprising the compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 1 ~~any one of claims 1 to 40.~~

Claim 45 (Currently Amended): An agent for preventing and/or treating cerebral infarction, cerebral embolism, myocardial infarction, angina pectoris, pulmonary infarction, pulmonary embolism, Buerger's disease, deep venous thrombosis, disseminated intravascular coagulation syndrome, thrombus formation after valve or joint replacement, thrombus formation and reocclusion after angioplasty, systemic inflammatory response syndrome (SIRS), multiple organ dysfunction syndrome (MODS), thrombus formation during extracorporeal circulation, or blood clotting upon blood drawing, comprising the compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 1 ~~any one of claims 1 to 40.~~

Claim 46 (Currently Amended): A medicinal composition comprising the compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 1 ~~any one of claims 1 to 40,~~ and a pharmaceutically acceptable carrier.

Claim 47 (Currently Amended): Use of the compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 1 ~~any one of claims 1 to 40~~ for preparation of a medicine.

Claim 48 (Currently Amended): Use of the compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 1 ~~any one of claims 1 to 40~~ for preparation of an activated blood coagulation factor X inhibitor.

Claim 49 (Currently Amended): Use of the compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 1 ~~any one of claims 1 to 40~~ for preparation of an anticoagulant.

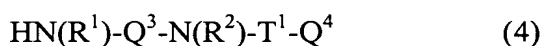
Claim 50 (Currently Amended): Use of the compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 1 ~~any one of claims 1 to 40~~ for preparation of an agent for preventing and/or treating thrombosis or embolism.

Claim 51 (Currently Amended): Use of the compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 1 ~~any one of claims 1 to 40~~ for preparation of an agent for preventing and/or treating cerebral infarction, cerebral embolism, myocardial infarction, angina pectoris, pulmonary infarction, pulmonary embolism, Buerger's disease, deep venous thrombosis, disseminated intravascular coagulation syndrome, thrombus formation after valve or joint replacement, thrombus formation and reocclusion after angioplasty, systemic inflammatory response syndrome (SIRS), multiple organ dysfunction syndrome (MODS), thrombus formation during extracorporeal circulation, or blood clotting upon blood drawing.

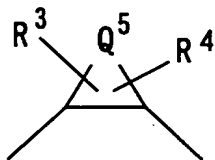
Claim 52 (Currently Amended): A method for treating thrombosis or embolism, which comprises administering an effective amount of the compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 1 ~~any one of claims 1 to 40~~.

Claim 53 (Currently Amended): A method for treating cerebral infarction, cerebral embolism, myocardial infarction, angina pectoris, pulmonary infarction, pulmonary embolism, Buerger's disease, deep venous thrombosis, disseminated intravascular coagulation syndrome, thrombus formation after valve or joint replacement, thrombus formation and reocclusion after angioplasty, systemic inflammatory response syndrome (SIRS), multiple organ dysfunction syndrome (MODS), thrombus formation during extracorporeal circulation, or blood clotting upon blood drawing, which comprises administering an effective amount of the compound, the salt thereof, the solvate thereof, or the N-oxide thereof according to Claim 1 ~~any one of claims 1 to 40~~.

Claim 54 (Original): A compound represented by the following general formula (4):



wherein R^1 , R^2 and T^1 have the same meanings as defined in claim 1, Q^3 represents the following group:

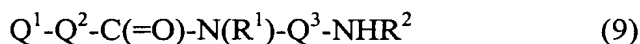


wherein Q^5 , R^3 and R^4 have the same meanings as defined in claim 1, and Q^4 represents an aryl group which may be substituted, a heteroaryl group which may be substituted, a saturated or unsaturated, bicyclic or tricyclic fused hydrocarbon group which may be

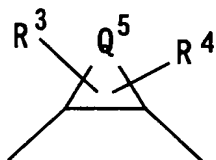
substituted, or a saturated or unsaturated, bicyclic or tricyclic fused heterocyclic group which may be substituted;

a salt thereof, a solvate thereof, or an N-oxide thereof.

Claim 55 (Original): A compound represented by the following general formula (9):

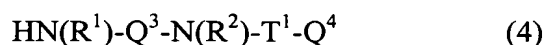


wherein Q^2 , R^1 and R^2 have the same meanings as defined in claim 1, Q^1 represents a saturated or unsaturated, bicyclic or tricyclic fused heterocyclic group which may be substituted, and Q^3 represents the following group:

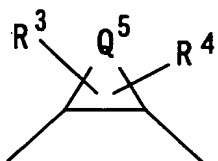


in which Q^5 , R^3 and R^4 have the same meanings as defined in claim 1, a salt thereof, a solvate thereof, or an N-oxide thereof.

Claim 56 (Original): A compound represented by the following general formula (4):



wherein R^1 , R^2 and T^1 have the same meanings as defined in claim 17, Q^3 represents the following group:

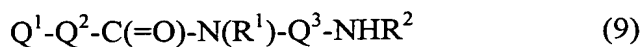


wherein Q^5 , R^3 and R^4 have the same meanings as defined in claim 17, and Q^4 represents an aryl group which may be substituted, a heteroaryl group which may be substituted, a

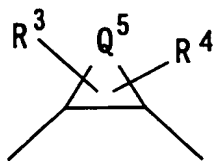
saturated or unsaturated, bicyclic or tricyclic fused hydrocarbon group which may be substituted, or a saturated or unsaturated, bicyclic or tricyclic fused heterocyclic group which may be substituted;

and a salt thereof, a solvate thereof, or an N-oxide thereof.

Claim 57 (Original): A compound represented by the following general formula (9):

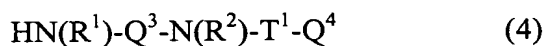


wherein Q^2 , R^1 and R^2 have the same meanings as defined in claim 17, Q^1 represents a saturated or unsaturated, bicyclic or tricyclic fused heterocyclic group which may be substituted, and Q^3 represents the following group:

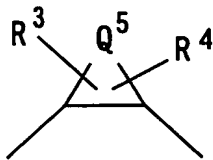


in which Q^5 , R^3 and R^4 have the same meanings as defined in claim 17, a salt thereof, a solvate thereof, or an N-oxide thereof.

Claim 58 (Original): A compound represented by the following general formula (4):



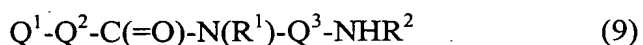
wherein R^1 , R^2 and T^1 have the same meanings as defined in claim 28, Q^3 represents the following group:



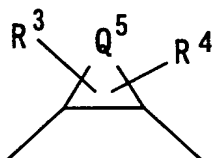
wherein Q^5 , R^3 and R^4 have the same meanings as defined in claim 28, and Q^4 represents an aryl group which may be substituted, a heteroaryl group which may be substituted, a saturated or unsaturated, bicyclic or tricyclic fused hydrocarbon group which may be substituted, or a saturated or unsaturated, bicyclic or tricyclic fused heterocyclic group which may be substituted;

and a salt thereof, a solvate thereof, or an N-oxide thereof.

Claim 59 (Original): A compound represented by the following general formula (9):



wherein Q^2 , R^1 and R^2 have the same meanings as defined in claim 28, Q^1 represents a saturated or unsaturated, bicyclic or tricyclic fused heterocyclic group which may be substituted, and Q^3 represents the following group:



in which Q^5 , R^3 and R^4 have the same meanings as defined in claim 28, a salt thereof, a solvate thereof, or an N-oxide thereof.